

atgagtcgctc	aaattgcctg	atattttttt	gcttattttac	acttgcttta	gaatagacct	13740
gatgacttaa	tggttaattat	caacagcaca	tatttagtat	gtatccactg	tgtacaaaat	13800
agtggattaa	gcaactgata	ttctaaaggg	atagaaaata	tactccctta	cagtaaagga	13860
cacgttaaag	caataaataa	atccagtagt	acatactgaa	tagattaagc	acagatcgag	13920
ttgtgagtat	atatacatgg	ttttctgggt	ttaatgacta	agcaaagtgt	actgaagcaa	13980
agaattttgtg	tgaaagtagc	attttaaact	gttctataga	ttttcaggag	gtagtctctgg	14040
gtaaaaggag	ttctagggtc	aaatgaattt	gagaaagggt	gcagggtattt	attctgcctg	14100
gatgttcaca	gggtgtatca	gcaaactaga	agctctgacc	atccctgaaa	ataaagagag	14160
acacccattt	aactttgttg	aatgcaatgt	tctccaaatt	aatttgcattg	caaattaatc	14220
taaattaacc	caaaattaat	ctggagaaca	ctgcattcat	agcacatttg	ttagcatctt	14280
acagacatca	gtttgagaaa	tactgtttag	tgggagataa	agttaaagag	agaaaagaga	14340
taacaggaac	aaaaactgat	ggctcaggct	catttctgct	ttaaaggaag	ctgggtgctca	14400
aatctggaat	tataccaaaa	tgtcaatata	tgcacaaggc	cttgaaattt	ttcataattc	14460
tttttttctt	tctgtgcatt	gtattaatca	atgtcctgaa	tgtgtgtgtt	gaaaaccatc	14520
ttccaggaat	atgccatata	tatctaacaa	atgcacatat	tttactgcag	gaatcatata	14580
ttgtttttct	cagaaagact	ctgaacaagt	tacggttagt	ttgcagaatc	tgggaattca	14640
tgcagggtgct	taccatgccca	atttggagcc	agaagataag	accacagttc	atagaaaatg	14700
gtcagccaat	gaaattcagg	ttaggtctat	atcttccata	gaagcctaata	ttacctttta	14760
aatattttaa	cttgatttaa	ttaactgata	aaatgtttaa	atatttcagg	tagtagtggc	14820
aactgttgca	tttggtagtg	gaattgataa	gccagatgga	aggtttgtta	tccatcattc	14880
aatgagtaaa	tccatggaaa	attattacca	agagagtggg	cgtgcaggta	tgtaggactc	14940
aaatccagaa	gtaaattttt	agaaagcttt	tccaaaaaat	acatgataaa	tgcttaataa	15000
gtctgtatgt	tttatcttta	ttggatagta	tttttagaac	aatgtatttt	tagcagtttg	15060
acacttactt	gcataatggag	aaatttttac	ttatgttctg	ttatctgaat	tgtttctttt	15120
tatgtgtgtt	aagataattt	gatgttcatc	tttgccctcct	gaatttttaa	ttagtgattt	15180
caaattctata	acttaactgg	attatagaca	catttttttaa	cttagtagag	ctgattattg	15240
atgtctcttt	agagtttttt	ttaattttgag	ggtacccatt	acaaattaac	ttccacatct	15300
ctaaaatttc	tagatgtagt	ataaaacatt	gcctgctaata	tttaccatat	gtcattttttg	15360
catattttga	atlttgtaaat	gtaattctgc	aatctcaagg	tttctcacac	cacaggtcga	15420
gatgacatga	aagcagactg	tattttgtac	tacggctttg	gagatatatt	cagaataagt	15480
tcaatgggtg	tgatggaaaa	tgtgggacag	cagaagcttt	atgagatggt	atcatactgt	15540
caaaacataa	gcaagtaagc	cacataacct	tttataactt	ttatcaatta	aagcaaatat	15600
gaaagtatat	gacatcgttt	ttaagttctt	actaaataca	ttgggtggaac	accaaagtgc	15660
agatccataa	aagcagatgt	tggagggtag	gaaccagcac	atcaacctgt	atgatctgcc	15720
ttagttcaag	aaaagatgcc	ctatctttga	gataatcctc	caaaactact	tttttaattg	15780
aagggtttttg	agacacattg	atagcaactt	gaaggctttt	tttctctggc	actgctgtac	15840
agttacatga	tttaataatt	ttgaaaaggt	ctatgggttaa	gataggcatt	ttgagagtca	15900
agctcagtaa	cgtgccacct	tgccagctca	tgtgtcaatg	aaataccaag	tttctcctta	15960
agaagtaagt	ttaaatctac	ttaggggtgc	tttagactag	atagcttcct	gaaagctttc	16020
tgtcatagtt	atctttgtgc	ttttattggc	tatcacataa	gaagtgtctca	gaaatgtcga	16080
ggtggtaaat	agcagccaga	cagtgataga	aatgttcttt	ctttccaata	gatactacaa	16140
taatctagtt	aaaagaaatg	agaaaatgaa	aatgtcttcc	aaaggccagt	agagtctcat	16200
gaagcatatt	ttaaggtttc	aactcaaata	ttgctacttt	attaaaatat	aagaaactat	16260
tttactgtca	agaatattct	cctaatagtt	gcaaaacatt	gaatttaaaa	atggaactca	16320
gacaattttt	taaacagtgt	ttatcaagaa	tatgtgggga	aaaaagtcct	atgtcggggg	16380
cacaatggcc	ccccaaagat	gttcacgtcc	taattcctaa	cctgtatgtt	acctcacatg	16440
gcaaaaggaa	agtagcattg	cacatggaat	taagactgtt	cattagctga	ccttaaaaata	16500
gggagattat	tttagattgt	gtgatgtgag	aagaacctga	cactctgatt	ttgatccagt	16560
gaaacccata	gtacacttct	aaatctaaac	cacagaaatg	taagaataaa	tgtgttttaa	16620
gccactaagt	ttatggtaat	attatggcag	ttataggaag	ctaatacagt	atataactat	16680
gtaagctgaa	atagagattc	ttaaaacttt	attatatcct	tttaataattt	gtatctttta	16740
atgtgtttgc	agatgtcgtc	gtgtgttgat	ggctcaacat	tttgatgaag	tatggaactc	16800
agaagcatgt	aacaaaatgt	gcgataactg	ctgtaaagac	agtgggtgagt	ttgttgtttt	16860
gtaaaccttt	ataggctaat	acagtcataa	tgccctagtga	cagagatacg	ttctgagaaa	16920
tgcatcacta	ggtgattttg	tcattgtgca	aacatcaaag	tgtacttaca	taaacctaga	16980
tggtatagtc	tcctagggtga	tatgttatag	cctattgatc	ctaggctacc	aatctgtaca	17040
gcgtgttact	gtactgcata	ctgcaggcag	ctgtaacaca	tggtttaagta	tttgtgtatc	17100
taaacataga	gtaagtacag	taaaaatatg	gtattataac	ctgggtgaca	gcgagactcc	17160
gtctcaaaaa	aaaatatatg	gtattatata	atctcttggg	accactggca	tatactgtgt	17220
ccatcaccga	ccaaaatatt	atgtggcaca	aaactgtata	tacagctggg	acatgagaga	17280
agtattagac	ttccaaatgg	atttaaaaga	ttaaagtgtg	aatcagattt	tccagaatta	17340

aaactatcaa	catgaagttt	tgaacaaaag	gtgaataaaa	ggaaaagtct	tatgtgtatg	17400
cacacatttt	atattgctat	actgaggatg	tgaatttttt	aataaatgaa	ggaaaatatt	17460
tgaatttttc	tgaatagaaa	tgctatttcta	taagaaaagg	gaaaccatgt	gataatctct	17520
aatactttat	agtcactaat	tgaaaagaaa	attttagtgca	aaatagagac	tatagagaat	17580
cacttttgat	ccagttaatg	gctagtcac	ggagatttac	ttaaaattct	tttaaagtga	17640
gatcagcagg	atttgttttc	tgagcattgg	tcacaaccct	gctgatcaaa	acaggatctg	17700
gtcaaaacaa	gatatagcaa	agaaactggc	ccaaacaagt	tagaactaga	aaatataatg	17760
tatttgcatg	atgtaagaca	ctcccactag	caccatgaca	gtttacaaat	gccgtgacaa	17820
tgcccgaaaa	ttacatgggt	ctaggaactc	cctaaccctt	tctagaagat	tcatgaataa	17880
tcttccccct	attttagcata	taactaagga	gcagctataa	ataccgctag	tgagcaatgt	17940
acagtggcac	tctgcctttg	gggtagccct	gctctgtcta	tgagcccgcc	attttcctat	18000
actctattgc	taataaaact	gctttgcttt	cactttactc	tggtggcttg	ctctcagatt	18060
gtttctttgca	tgaaaactggg	aaccctcctg	ggctgagtc	caattttcgg	atttgcctgc	18120
agcatttttg	cactatattt	taactttttt	tcacccgtgt	gttgattttc	aagatctgga	18180
ctagccagta	cctcatggta	agaccttact	gagttctgat	gccttgttag	gtggaagcca	18240
ctgtattttt	aactttgcag	acagagaaat	ttatgagttt	attagactat	cttataaaat	18300
aacaagagtg	ttatatataa	atcagagtac	tggtctctta	ataattgggt	tatcagttga	18360
ggacatttct	gttgctaaat	cagagttcac	tcaggagcct	atactagaac	agacagggtc	18420
tctataaaaa	cacacctctt	agtaacttag	taatcatgtc	tgccagacac	tttctgattt	18480
ctagagtata	tgccagggtc	tctgataacc	aatttttttt	tatatataat	actgtaaacc	18540
ccacaatgct	tacagagacc	ataacttggg	ctagtgcag	agacttgagg	aatagcctag	18600
tcttaattca	gaatacattt	aaaaatcaat	gtttagggtg	gctcacattg	ataaccagct	18660
ttaaaccagt	ttaactactt	aagatagcct	atctttgcc	tcattttctaa	atcctaatta	18720
cctgtacca	tatttgtttt	attacagcat	ttgaaagaaa	gaacataaca	gagtactgca	18780
gagatcta	caagatcctg	aagcaggcag	aggaaactgaa	tgaaaaactc	actccattga	18840
aactgattga	ttcttggtg	ggaaaggggtg	cagcaaaact	gagagtagca	ggtgtgtg	18900
ctccacact	tctctgtgaa	gatctggaga	agattattgc	acacttttcta	atacagcagt	18960
atcttaagta	tgtacaaact	cattcattat	tctttcaggt	tgtctttatg	gttttttttt	19020
aaaaattgca	acagaataaa	cggtttttgc	gttattttgt	gtgaactttt	aaatgctata	19080
gaaagtaatt	tacctaatac	actcaaacct	taactcattat	aaataaaaaa	aagtaacgaa	19140
aataattttt	ttaaaggctt	tatttgcat	cttgtaaaat	ttattatttc	aagtcaatgt	19200
gttaagaatt	actgcgcata	tagttatttc	ttttataaat	ttgttttccg	tgattccttc	19260
aaaagctttc	ttattgttgg	cctttatttt	ctgcagagaa	gactacagtt	ttacagctta	19320
tgctaccatt	tcgtatttga	aaataggacc	taaagcta	cttctgaaca	atgaggcaca	19380
tgctattact	atgcaagtga	caaagtcac	gcagaactct	ttcagggtaa	atggctatta	19440
attttcagtt	ttatatattt	taaaaagtat	attaaagcct	atgggatgct	ttctgtcat	19500
attccctag	gtccagttga	acatgagaaa	agtcagtttt	ctgattagat	ttctgggtat	19560
ggaagagaga	aaatatagtt	ttctgtaaa	atgtaagtga	aagaatttag	actggccttt	19620
taacataaac	taggggtttc	cagtttcttg	gaatgggagg	actccgtttg	aatatcta	19680
tttgttatgc	actctgctct	tatttggttg	tgattactaa	tagttgagaa	gtctgtttct	19740
gctgttccag	tggttagaaa	ccactgtttt	aaaccaata	ctatcaagtc	tgcaaaagca	19800
tgtcaagtca	agtgccattg	tgtctaagga	catttgaggt	ctttagaact	tctctcacia	19860
cgtagccct	tttattcaaa	atagagctca	tatttgaata	gaaatttgta	gataaaaaac	19920
tagaccctg	tatacttaaa	aagccaactg	atacagaaag	aataatttga	aatattta	19980
ctcatgagaa	aactgaatag	ctggattttt	accaaggtgc	ttgctttgtt	tttttttttt	20040
ttttgtaggg	tgaatcgctc	caaacttgtc	attctgaaca	agggtgataa	aagatggagg	20100
aaaaaaattc	aggcaacttc	cagaagaagg	ctgcaaacat	gcttcagcaa	tctggttcta	20160
agaatacagg	agctaagaaa	agaaaaatcg	atgatgcctg	atatgaatgt	tactaaattt	20220
tctaattaaa	gatgggttat	gcatgtatat	gccattattt	ttgtagttag	acaatagttt	20280
ttaaaagaat	ttcatagata	ttttatatgt	atggatctat	attttcagag	cttatctctg	20340
aagatctaaa	cttttgagaa	tgtttgaaaa	ttagagatca	tgaattatat	aattttccag	20400
tataaaacaa	gggaaaaatt	tttatgtaaa	accctttaaa	tgtaaaatat	ttgagaataa	20460
gttcatacaa	tcgtcttaag	ttttttatgc	ctttatatac	ttagctatat	tttttctttt	20520
gacataacta	tctttttgaa	agcaatatta	tactgcagaa	ggctcactga	gtgatacttt	20580
aagttaaata	tgtagatcaa	ggatgtccaa	tcttttggct	tccctgagcc	acattggaag	20640
aagaattgtc	ttgggcccga	cataaaatat	cttaaacactg	atgatagctg	atgagcttaa	20700
aaaaaaatt	gcaagaaaaa	tctcatgttt	taagaaagtt	tacaaaaaat	gtaaaaat	20760
tgagaataag	ttcatgta	tgtcttaagt	tttttatgcc	tttatatact	tagctatatt	20820
ttttcttttg	acataaccat	ctttttgaaa	gcaatattat	actgacagag	gttccactgag	20880
tgatacttta	agttaaatat	gtagatcagg	gatgtccaat	cttttggctt	ccctgagcca	20940
catttggaaga	agaattgtct	tgggcccgcac	ataaaatatg	ctaactactga	cgatagctga	21000



tgagcttaaa	aaaaaaaaa	ttgcaagaaa	aatctcatgt	tttaagaaag	tttacagatt	21060
tgtgttgggc	tgcattcaaa	gctgttctgg	gctgcattag	acccgtgggc	tagagttgga	21120
caagcttgta	gatgatttca	ggttataaaa	ccagaagtag	aattcaacaa	aaaaggagta	21180
agtcatacaat	ataaatatta	gcaaacgaga	tattgtctaca	tctctattta	aagtaaaata	21240
caaccgattt	taaagttcct	gaaaccatag	ccatattttg	acatttcaca	aagaatgggt	21300
ctagtctact	agagtacatt	tggctaagta	gataacttac	ctaaatttgc	tccaaagcta	21360
aatcacaagt	aaacataatt	atgttttaaaa	cacagaaata	aataacttaa	gattttttatc	21420
taagcgggtca	gtgttgtatt	ggaaagatat	atctataaat	aaactttgaa	ctgattttcaa	21480
acttagaatt	tatgtttttta	tattttttcca	ctaatatcat	tatcacttct	gtaatttttca	21540
gtgtgggtcat	cattaactca	atacagtcac	tcatttttatt	gacttgtgat	ttttctgggtg	21600
tcatttgga	ctttatatga	ttcctgaaga	aattccattt	ttagtcaaaa	taatcttcta	21660
tatcaatatt	tggatctagc	agatcttctc	catatgatga	aagattcatt	tggtttaaga	21720
ttaggttttc	aaatgtttct	tctaaatcgg	tttcaccaat	taagacagct	cccattcattc	21780
gtccattttg	catgacgact	ttgatgtatt	ctcgtccttt	ggtagatctc	agcatttaatt	21840
catgatctga	acctaagccc	tgtgcattgt	attttcccag	cagtacaacc	tatattttaga	21900
gataaaaagg	ttattgtcat	gagtatcata	aagaaaatgt	aatgggtagt	tattttgtgt	21960
caagtttgaa	tagccgcaga	aaacttatgc	cacaaaattt	cataactaaa	aatgtttattg	22020
gggagagtcc	caaagaaaat	gtttcaacag	catgcgttaa	ttctacagat	gacactatca	22080
cacactctac	actgacatta	aaaaattctg	gtgaatatag	tcaaagtta	atgttttaata	22140
ttttaacact	aaaaatatct	agtgaatata	ggtaggtgat	tctaccaatc	tatatgaaca	22200
ttaaaactat	acagtaataa	tataaatatg	taggatgtgg	atacattaaa	ccatgtggag	22260
tcgtgggttta	aagatttggc	aaggaactga	attagagctt	tcattgaaaa	gtttcttaatt	22320
ttccctgagg	cttttgaata	tgtttctcct	tctctgtaaa	ttagggaaaa	aaaaaaaccc	22380
aaaacaacct	ttgtcaatgt	gaagaggact	gaataagata	atagatacag	gaaagctctt	22440
ggtttatttt	tgagtacaac	agcagttagt	tcccctcaca	aagaaaggat	gaatcacaag	22500
taaaagttaa	aaatgcacca	acaagtaaca	gatctagaga	gaaatttttt	tccctcttaa	22560
ctaaaataga	atagtgttaa	ggtggataat	tatcagatga	ttagggatta	agactagcaa	22620
taataccagg	tattggtttg	taagaaatga	aaaatgtcat	ttttttgtag	atgattaaaa	22680
ctatgtacgt	ttttattcaa	gcaagaaaaa	cacatgattt	atcatagtca	taagactaac	22740
aagcagagaa	ggcatttaata	tgcttaacta	tcttacctta	tagttaaaaa	attttgtcac	22800
atgagcaaac	agttcaaagc	tgaaatccat	gtcaatagag	tctcctgaac	tcgtctgcag	22860
catgcacttt	gctgcatacc	atcccactctg	tctagcctgg	gtccacagcc	tcacttgaaa	22920
tgatgaaaaa	atgttacaca	atgtcatttt	tcattgatcat	tatctgaaaa	atgttaacct	22980
tgtaaatcca	cttaaaggag	ttcaatgttt	gacagtcttt	ctgtcatctt	tgccacagaa	23040
gcagtcacca	atggataact	aatcagactg	atttttggta	tttgtttaatt	ctatctaaat	23100
tactgcctct	aaaattaaaa	gatgatacca	atcacacctg	tttttagtagc	atttctatta	23160
aatattatga	aactatatta	agctatacca	ggtgagaaaa	atgttttaatt	taaccagtcc	23220
cttcttcaaa	aatttgtcat	caccattaac	agagatgtca	aattatcact	gaagaatttg	23280
ttctattttc	cagcaacctt	catttttatg	cactacttaa	ggtctgctgt	gctgttaacc	23340
tcagtgggtta	gacagactct	tggtgcctca	ccaagacaac	ataaatatct	cagcaactga	23400
ttctgggaag	tcattttaa	tgttttgcat	gaccgtatta	attcatctat	tgtatttttta	23460
ttttattttct	atgaagtttt	gagactccct	ggtataaaaag	aacacggcct	ttgacaaaat	23520
tcaacaaccc	ttcatgctaa	aaactctcaa	taagggtattg	atgggacgta	tctcaaaata	23580
ataagatcta	tgacaaaccc	acagccaata	tcatactgaa	tgaacaaaaa	ctggaagcat	23640
tccctttgaa	aactggcata	agacagggat	gccctctctc	accactccta	ttcaacatag	23700
tggttggaagt	tctggccagg	gcaatcaggc	aggagaaggg	aataaagggc	attcaattag	23760
gaaaagagga	agtcaaattg	tccctgtttg	cagatgacat	gattgtatat	ctagaaaacc	23820
ccatcagctc	agcccaaaat	cttaagctga	taagcaactt	cagcaaaagtc	tcaggataca	23880
aatcaatgt	gcaaaaaatca	caagcattct	tatacaccaa	caacagacaa	acagagccaa	23940
atcatgagtg	aattcccatt	cacaattgct	tcaaagagaa	taaaatacct	aggaatccaa	24000
cttacaaggg	atgtgaaggga	cctcttcaag	gagaactaca	aaccactgct	caatgaaata	24060
aaagaggata	caaacaaatg	gaagaacatt	ccatgctcat	gggtaggaag	aatcaatatc	24120
gtgaaaatgg	ccatactgcc	caaggtaatt	tatagattca	atgccatccc	catcaagcta	24180
ccaatgactt	tcttcacaga	attggaaaaa	actactttta	agttcatatg	gaaccaaaaa	24240
agagcccga	tcgccaagtc	aatcctaagc	caaaagaaca	aagctggagg	catcacgcta	24300
cctgacttca	aactgtacta	caaggctaca	gtaaccaaaa	cagcatggta	ctggtagcaa	24360
aacagagata	tagaccaatc	gagcagaaca	gaaccctcag	aaataatgcc	tcatatctac	24420
aactatctga	tctttcacaa	acctgacaaa	aagaagaaat	ggggaaggga	ttccctattt	24480
aataaatggt	gctgggaaaa	ctggctagcc	atatgtagaa	agctgaaacg	ggatcccttc	24540
cttacacctt	atacaaaaat	taattcaaga	tggattaaag	acttacatgt	tagacctaaa	24600
accataaaaa	ccctagaaga	aaacctaggc	aataccattc	aggacatagg	catgggcaag	24660

gacttcatgt	ctaaaacacc	aaaagcaatg	gcaacaaaag	tcaaaattaa	caaattgggat	24720
ctaattacac	taaagagctt	ctgcacagta	aaagaaacca	ccatcagagt	gaacaggcaa	24780
cctacagaat	gggagaaaat	ttttgcaacc	tactcgctcg	acaaatggct	aatatccaga	24840
atctacaatg	aactcaaaaca	aattttacaaa	aaaaaaacaa	ccccatcaaa	aagtcggcga	24900
aggatatgaa	cagacacttc	tcaaaaagaag	atattttatgc	agccaaaaga	caaattgaaaa	24960
aatgtctcatc	atcactggcc	atcagagaaa	tgcaaatcaa	aaccacagtg	agataccatc	25020
tcacaccagt	tagaatggca	atcattaaaa	agtcaggaaa	caacatgtgc	tggagaggat	25080
gtggagaaat	aggaacactt	ttacactgtt	ggtgggactg	taaactagtt	caaccattgt	25140
ggaagttggt	gtggcgattc	ctcagggatc	tagaactaga	aataccattt	gactcagcca	25200
tcccagttact	gcgtatatatac	ccaaaggatt	ataaatcatg	ctgctataaa	gacacatgca	25260
cacgtatggt	tatagcggga	ctattcacaa	tagcaaagac	ttggaaccaa	cccaaattgtc	25320
caacaatgat	agactggatt	aagaaaaatgt	ggcagcata	caccatggaa	tactatgcag	25380
ccataaaaaa	tgatgagttc	atgtcctttg	tagggacatg	gatgaagctg	gaaaccatta	25440
ttctcagcaa	actattgcaa	ggacaaaaaa	ccaaacacca	catgtttctca	ctcatagggtg	25500
ggaactgaac	aatgagaaca	catggacaca	ggaaggggaa	catcacacac	cggggactct	25560
tgtgggggtg	gggtgcagca	caccaacatg	gcacatgtat	acatatgtaa	caaacttgca	25620
cgttgtgtac	atgtatccta	aaactttaat	ataataataa	aaaaaaaaaa	cactgacctt	25680
gggagtcaca	gtggatttta	atatcaacag	atctacatat	atattttaact	tttctgggcc	25740
tcggttcatt	tacctgaaac	gtaaacataa	cactacctac	tctgtaacta	ttgagagaa	25800
taaacagggt	agcgtataat	aagcacttgg	tttcttctca	cctccctgta	tgtgcatatg	25860
tacttaattgc	tgtcttttgt	ttgcagaaat	aatatcataa	tcatagacat	gagttttaag	25920
cattttctagc	agaagtgata	gatttttttt	tttcaatctc	ctctgtaaac	aaggattatt	25980
agatttgatg	aagtgaaggg	cagtttatgg	ctgggggtca	gaataaaactg	agcacagtaa	26040
caactagaga	acagctaata	caagtggccg	gaaaatttgc	atcttgaact	gcataaatta	26100
gtatccttat	tgttgtgtga	agccaagaaa	tggggcctat	aagggtgact	caaaacaagg	26160
ccatctgttt	attttcggat	tttttcccct	ctttcagatt	ataacacatt	aagatataat	26220
ttaccctaga	gaattaaaaa	tgttaaaaaa	aaaaaaaccc	ataaaactcca	actctaagaa	26280
tttgtgatag	tcttgccaca	gaaatgacat	agaatgaggc	aggttagaaa	caaaaaggct	26340
ggaaccattc	tactgatgt	ctctactgtc	tgtaagaaca	caaaatgatg	gtgctgcctc	26400
ttgaaatact	tttagctctt	ctcctacttc	acactgcata	atctgaatga	ataatgtccc	26460
taactgtgga	gctgggtctt	aacaaaagata	aatgttgcct	ggttcccttta	tttcaaacat	26520
ctacctaggt	ctctaccctt	ctgcacacct	ctgggtcactg	tctttatctt	cctctagtat	26580
ttttgttcca	ccgttaggag	gaggtaggta	aagctgtgag	ggtaggaaaa	agtctagatc	26640
cagttgggac	ttgttaaggc	tcaggaaagg	tgtttactac	aggaattttt	tttttttttt	26700
ttgagacaga	gttttgctct	tgttgcccag	gctgggggtgc	agtgggtgca	tctcagctca	26760
ctgcaacctc	cgcctcccag	gttcaaggga	ttcttgtgcc	tcagcctcct	gaatagctgg	26820
gattacagac	gcacaccatc	atgctcagct	aattttttgt	attttttagta	aagacggggg	26880
ttcatcatgt	tgttcaggct	ggctcacaac	tcctaacttc	agatgataca	cctgcctctc	26940
accctcccaa	agtgtctgga	ttacaggcgt	gagccactgc	gccagaaca	tttttttagta	27000
atgattacca	caggggacaga	ataggatcat	aaaggaatag	aatgcttttc	tatataattt	27060
acaatcttag	tagttttttt	aatctaaagt	tgtgtgtgcc	aacatcgtag	ccacatatat	27120
ttaaagttaa	tgagaagtaa	gtaaaaataa	ttcagttcct	cagtcacatt	aaccacattt	27180
caagtgtca	tgtgacatac	tgtgtggtac	ctgactagat	ggtgaggaat	taaacatttc	27240
catcatcaca	gaaagtcttc	ctggacagtg	ctgataagca	ggtagaatg	aaaaacaaag	27300
taatagccca	taattttctt	taaagtaaaa	gatgtctcag	tctaccatta	taatgataac	27360
ttaccaaaca	gggaaatatt	ctagtttttt	ttttaaatat	atataacaac	tgtgtagct	27420
tcctacttaa	gcagaaaagt	tggaaaacca	gaagttggat	ttgttggtaa	caaccgcttt	27480
attttcagac	agaatctctg	atgaaaacat	ataatttat	atgctagctt	acctgctgcc	27540
agactgggct	cagctgccag	gatgtagtac	agatgtcacc	ggcagcatag	atatcaggaa	27600
gggatgtgtg	catatgatca	tccactttca	ggccaccatc	ttctcctaga	tcaaactaaa	27660
caacattcct	cataagcgtt	aagtgttaag	aaaaatgaaa	cgactttttc	catttttaaag	27720
taaaagaaca	aattaaattg	ttacactttg	catgctcatc	tttaattgaga	aaatgaaaaa	27780
tatcagcaaa	gttttagacac	ctgagctgaa	tttccatgga	tcaaattcca	actaagactg	27840
atccataaaa	ctgtcagaat	ttcaacatga	aaagtatcca	ataaccatgt	gactacctta	27900
tccataacta	caagaatatt	cttttttttt	ttttgtgaag	ttcaagtgtc	gaaaagcaaa	27960
aaatacaaga	tggtttctct	aaaagaatca	tttttgagaa	gtcacgggag	gtgtcagctc	28020
cttaccaaca	tttagataaa	taaattgtac	attataaacc	attactgatg	acgcttatgc	28080
aaggatataa	ctatgtaagg	attttaagca	gtaaaaaata	ctgtaaatca	agacaatggt	28140
ttaaccaaac	tgtttccaac	catgttaagt	tacagttgta	cactaaaata	ataattattc	28200
atgtttgaga	attagagatc	ttcacaaaaa	tacttcaaat	atattcacag	ctggacaaaa	28260
aaatttcacc	ttacactggt	accatggaga	aaaggttcta	catttggtgt	aactcctgta	28320

gcactgacaa	tgaaatcgca	gccatatatc	ttttcattgg	tcaattccac	atagacagggc	28380
cacatctctt	taagaaaaaa	aaacaaaaaa	aacagacttt	atttgtaa	ggaaccatca	28440
ccacagcagt	gtatgtgact	acaatgacta	gaaacaaaga	aagaaaaaga	aaggcaagag	28500
ataactttgt	aacacactcc	ttagcaatta	ttatgaggca	tatttgctaa	agcaatttta	28560
atgcaattag	catcatctcg	tttgggtata	attttaaaac	catggcattt	taaatgtttt	28620
tccttcaa	ttggacacat	aaattttgac	aaagtacatt	taaattattt	ctaaattatt	28680
tctctaaaaa	tcttttgtaa	tactttacac	tccacttaag	tgtttagttc	aactaggtgt	28740
cttccctcac	tactcatatt	caaattcccc	tttcctatgg	aaaaattcaa	agaattcaga	28800
acagtagaat	atttcatatg	ctagttaact	gagtgtattt	cttcaaataca	tggcaattct	28860
cagaggagtt	gtggaactgg	agttaggaga	gctgcatctt	agtcccaaaa	atatacatatt	28920
tcaatctgat	ttgggtgaaa	tcatgtcacc	tttaagagct	ctagggtttt	gtcttatttt	28980
gatttataat	atattctgat	tgttgggtcaa	aacactcagc	tctatgtaag	atgtaatgcc	29040
ctatacgatt	taattttacta	gaaaacaaca	gacagtgaaa	tgaagtga	taatgttatt	29100
aaattatggg	tttatttttta	cttttcatgt	ttaaatttta	tatggaaata	cgaagttatt	29160
tttaatagaa	cacagcagga	ttaaattgtt	ttccttttaa	ttaagtgggt	atataatatt	29220
tttcttattt	cattacttgc	ctgtatcagc	tgtaactgac	ttatgggtctc	ttggaaaagt	29280
gaaggacttt	ttcttcaaaa	ttctaaactc	atcctgaagg	tagattttct	ttacttcaca	29340
catagtttca	aggtgaatct	tatgagaaaa	ctaaaattaa	gaaaatactg	gttagcataa	29400
tacttacaga	aagaataacc	cgggttacta	atgatgaaga	aaaaacgtat	acttgtagaa	29460
atgtatagaa	aacataatcc	ttataatata	aatgaaacca	cattgggtgc	cctaaaaataa	29520
gtctctctat	gcacatgaaa	ggagtgaaca	aaaattcatt	cagtaactta	agagatctgg	29580
tagctgcatt	agcagatagc	atcgagggaa	tgcttttttag	cctaggcctc	attgataatt	29640
acaaatgcat	tttttaaaaa	ttacagtagt	tgttgggcac	agtgggtcac	gcctgtaatc	29700
ccagcactct	gggaggccga	ggcgaggtg	gatcacctga	ggtcaggagt	tcaagactag	29760
cctggcctat	atgggtgaaac	cctgtctcta	ctaaaattaa	aaaattagcc	aggcctgggtg	29820
gtgtgcgct	gtagtccag	ctactcggga	ggctgaggca	ggagactcgc	ttgaaccg	29880
gaggcagagg	ttgcagcgag	ccaagatcat	accacagcac	tccagcttgg	gtgacagagc	29940
gagactctgt	ctcaaaaaaa	ataaataaat	aaaataaata	aataaataaa	taaaataaaaa	30000
tttaaaaaat	gacaacagtt	atggactata	aaattttctt	cagggtcagtt	ctgacttact	30060
gtcgtatccc	tgaacattaa	taaagtccta	cgtaggtagt	aaatactcaa	taaatgtctta	30120
ttgaattaaa	ctgttggaagt	tctcagggtta	aaaataataat	attaggatct	gaagggtcaa	30180
gaagaaggga	ctttgtgtaa	tttccatcac	aaaaattaga	tacaccgtgc	agccagctcc	30240
cctcctacct	actgaaagcc	aaaaaccaat	gctctaaaga	aatcacacaa	agtaacgaag	30300
gactgcatgc	atgcttctta	cagcatttag	atttcacagc	cctttaacaa	ctattaaaaa	30360
atcaaaatat	ctaacaaaat	gaggaaaagc	aatcatctc	cttatccaat	taggggtatta	30420
agtgtgtatt	tccaatccat	ctaataactt	ttgtaagttt	actgcatgca	tctgaagtga	30480
cctttgagaa	aagattaatt	taaaatagga	caggagtatt	caactgtagtc	tgggtataga	30540
aagctctatc	cctgatctga	ggatatagga	aaaaacaac	tcagtttctc	ctactatagt	30600
ctcacacac	agaatacttc	tgtgaccaa	tggtgtggg	gtgttttcta	cacactaagc	30660
aagcaattaa	ttctgcacag	gacaccatct	ggctgtcctc	taattcaatt	cagttctgat	30720
gttattatct	acctggagat	agcatcaggt	cccacatgtt	gagggatcaa	tctcacaaga	30780
ctgtcttcca	cttccaatac	caattgcatg	ccccgggtgt	tttaccagtt	gggtctgacta	30840
accaaccata	aatcaagggg	ctcccacgag	cccctttctt	aggttcaatt	aatttatttag	30900
aatatctcac	agaatttggg	gaaacacttt	acttacattt	actggtttat	tatcaaggat	30960
gtcacgaaga	aacagatgaa	gaaatacata	aggcaaagca	tataagaagg	ggcatgaagc	31020
ttctatgccc	tctccagata	gaccaccctc	tagcaacttc	cacatgttca	gctatccaga	31080
agctctccaa	acccagtcct	tttgggtttt	catggaaact	gtgttatgta	ggtgactgat	31140
taaattactg	gctgctagt	attggcttaa	ccttcaacct	ctttcccttc	ctgtaggttg	31200
gaaagtctaa	actctaatac	tgtcttggtc	tttctgtgta	ccagtcacca	ttctgaagcc	31260
acctaggggc	taaccagtca	actcgttagc	atacaaaagg	acacatcact	ttggagatgc	31320
caaaaatttt	aggagtgtgt	tgccagaaaa	ctgcagacac	aacattttat	tgtgcttcac	31380
tactgttttg	cagatagtgt	gttttttaca	aattgaagg	ttgtgacaaa	cccacatcaa	31440
gcaagtctta	tcagtgccat	ttttccaata	gcatgtgtct	actttgtgtc	tctgtcacat	31500
tttggttaatt	cttgcaatat	ttcagttttc	atcattatta	gatcttttat	ggtgatctgt	31560
gattagtaat	ctttgatgta	ctactgtaat	tgtcttgggg	tgcatgaac	cacacccatc	31620
taacacagtg	aacttaatcg	ataaatgttc	tgtgttctga	ctgtccatc	aaccagctgt	31680
tgctctatgt	ctctccctct	ccttgggctc	ccttatccc	ggagacacaa	gaatattgaa	31740
accagggcaa	tcagttactc	tgtagtggcc	tctaagtgtt	caagtgaag	taaggatcac	31800
acatctctca	ctttaaatca	aaaggtagca	atgattatta	gggttattga	ggaaggcaca	31860
tggaaagcca	ggcctcttgc	cctgaacaga	tggccaaatt	gtgaatgcaa	aggaaacatt	31920
cttgaagtaa	atctaaagtg	gtattccaat	gaacacatga	atgatgagaa	agcgaacag	31980

tcttcttgc	gacatggaga	aagttttagt	ggtgtggaga	gaagatcaaa	tcagccacaa	32040
cattccctta	ggccaaagcc	taaccagag	taagcccta	actgttttca	attctgtaaa	32100
ggctgagaga	agtggaggaag	ctgcagaaga	aaaggctgaa	gctagtagag	gttgggttcat	32160
gatgtttaag	taaagaagcc	atctctacaa	caaaaatata	caattgataa	ctgatgaatg	32220
tggctacact	aaacagtaga	ttttcagtg	acatgaaaca	gccttccagt	ggaaaaagat	32280
gctatctagg	accttcacaa	ctatagagga	gaagtcaatg	cctggcttca	aaggacaggc	32340
agactctcct	gttaggggat	aatgtaactg	gtgacttgaa	gttgaagcca	atgcctatct	32400
accactgtga	aagttctagg	gcccttaaga	actatactac	atctaccctg	cctgtcctct	32460
gtaaatggaa	caacaaagcc	tggatgacag	cattatatgg	tttgggcctg	gttctccacc	32520
caaactctcat	atcaaattgt	aatccccaat	gttgagggtg	cggcctgggtg	ggagggtgact	32580
ggatcatggg	gacagtttct	aatagtttag	caccatcctt	agtgtctgtt	tcagtgttaga	32640
gttctcatga	gatctgggtg	tttaaagggtg	tgtggcacca	gcccccttct	ctctcttcc	32700
cttgctctgg	ccatgtaaga	agtgcataat	tccccttccc	ccgtgattga	aagtttccctg	32760
aggcctcccc	agtcagtctt	cctgtacagc	ccgtgggacc	atgagccaat	ttaaactctt	32820
ttctttataa	atattaccta	ctctcaggta	tttctttata	tactgtgaga	atggagtaat	32880
acacagcaca	tctgtttaca	tagtttactg	aatatttgaa	gccaccatt	gagacctact	32940
gctcagaaaa	aaaaaaaaaa	agattcattt	caaaatacta	cactcattga	caaggcattt	33000
ggtcacccaa	gaactcagac	agagatgcac	aaggagatga	atgttgtttt	catgcctgct	33060
aatacaatat	ccattctgca	gccccatggt	ccaggagtaa	ttcttacttt	caagtcttat	33120
taaagaaatg	catttcataa	ggctatagct	gccacagata	gtgatgcac	tgatggatct	33180
gggaaaagta	cattgaaaac	cttctggaaa	gaattcacca	ttctagatgt	tattaagaac	33240
attcatgatt	caagggagta	agtcaaaaata	tcaacattaa	caaaagcttg	aaagaagttt	33300
actccaacct	tcatggatga	ctttgaggga	ttcaagattt	caatggagaa	aggcagatat	33360
ggtggaaata	acaaaagaac	tgttaattaga	aatgaatcct	gaagatgaga	ctacattgct	33420
gcaatctcat	gataaaatct	gaaaagatga	gttgttggtt	ctcatggatg	agcaaagaac	33480
gtagtattct	gagatggagt	ttacttctgg	tgaggatgct	gtgagtattg	ctgaaatgat	33540
gaaggattta	aaatattaca	tatacttggg	aaagcagtag	cagagtttga	gagaattgac	33600
ttttgaaaga	acttctactc	tgggcaaaaat	gctataaaaac	agcttcgcac	gctacagaga	33660
agtctttcac	gagaggaaga	gtcaattgat	ggggcaaact	tggtatttta	agaaattgcc	33720
acagccaccc	aaaccttcag	caagcaccac	cctgatgagt	catcagccac	caataccgag	33780
gcaaaacttt	ccacccaaaa	aagattatga	tttgctgaag	gctcagatga	ttgttagcat	33840
attaagcaat	aaagtatctt	taaattaacg	ttatgtgcat	tgtattttta	gacacaatgc	33900
taatgcacat	ttaatagact	gcagtatggt	ataaacataa	cttttgcagg	cactgggaaa	33960
ctgaaaaatt	cgtgtggctc	actttattgt	ggtatatcat	ttcctgtgat	ggctctgggac	34020
tgaacctgca	atactccaag	gtatgactgt	atataatatta	cagtatcaca	cctcaagagt	34080
taaaacgtag	gctgagatcc	agtcttcgat	gctttgacat	tcagttttct	ttggtggcca	34140
aatggacca	ctgcattgga	ggtcttttcc	taacactatg	gatttttaagt	aaagtgcct	34200
aacagttcgt	tgactatata	tttattacca	gtcttttaata	aatgggtcaa	gaatttaaaa	34260
ttacatttag	acatgaccaa	ttagtatatg	aaaagatacc	tcttttggtc	ctttaagatt	34320
caagccttca	tgccaatctg	gtcccaatgc	acttcttaca	ttatctgctt	tagatttgct	34380
tctagcttcc	tttttcttcc	ctaaagagat	gaaattaaat	aatataaaaa	ttaccagata	34440
gagaaatatg	ttagtgttct	gaagtttttt	atttaggcaa	tgtaatgatt	catatatata	34500
catacattac	agcatgacta	acctatgtta	tctatatata	tcattttagt	cattaatatt	34560
tttctgatgt	agagttacaa	aacagataat	ctttcagttg	tgtgttgagt	ataaacacac	34620
tcaacttacg	ttttggatgt	tacacgggta	actggaaggg	taagaaaatt	agccttcaaa	34680
tttttataat	tttatatatt	tttagcacct	ccaaaatgta	caaaactctt	gtttaatttt	34740
ataatctaaa	agttttttcaa	agctatcaaa	cttaaaaaaa	tatgaagtgt	gtattagttt	34800
ttcaactcac	tgcatttttt	acaaaacttc	ttcaggtatt	gccaaaatgt	agtatctggt	34860
tgcaaatgat	cagatgggct	gagttattca	atttatttta	aatttcttgt	tttaattata	34920
tatatatata	taaaatacat	acatatatat	aaaatagaaa	atctgaaaac	ttcatgtaaa	34980
gatatataaa	tatccatatt	actattttcca	aaattttatt	tattaaattt	tcttgtagcc	35040
cttttctata	tgggttttaaa	aaagttttgt	atgagaatta	atgagctagg	tgctacactt	35100
accttcagtt	gtatatctgg	ttcttttatg	tgcaatttta	gcctctgatt	tttcagcaat	35160
gagctttgaa	gtcaagaatt	cagctgctcc	tgcatcgaag	aaagtattcc	ctatagcttt	35220
atctttaatg	gccc aaatca	cttcacagcc	ttcaatttca	tacctaaaaa	caatgttaaa	35280
gttactaaga	gtgattttcaa	aagtctaatg	aaaaaatctt	tgcaatttga	aataatgatc	35340
tcctgaagca	aaagttaggga	atacattttt	aaggctaaact	gggaaagatt	gattataaag	35400
aggaatatta	acgttctttta	cagatgttaa	gaatttaaaa	ttgaatagta	aaagaatctg	35460
aagcagttta	cagaaagaac	cttttaagtga	caaatacatg	tactgaatat	caagtaaaat	35520
ttcattacag	tgtacatcat	tagaaaatgt	tcaattttcta	caatacactt	attatatgaa	35580
tggcccccag	gggtaagcag	tgcttttttaa	aaaatctggt	tatagtgtaa	tcaagtaatg	35640

gatggatggc	acatagctat	aatattgaga	atcagtcact	tatttggttaa	caacttttta	35700
tatcttcaaa	gcacattacg	gaaagggata	gaaaatggaa	agaatcagag	ttataagcta	35760
aaaatcttaa	ggatcaagat	caaggatcaa	ggatcttaga	ggaaggaaaag	aatgaaaatg	35820
gtatatataa	gccaccttct	attactattt	accactaatg	taaggtaatg	ggcatgtgat	35880
attttattct	aggttttagat	gctaagaagt	ggttttccta	acaatattcc	tttcacaaag	35940
tccttgaagt	ccattataat	taagggtgatc	acataattta	tcacctaacc	tgggatacta	36000
tctgtacta	ataatcattt	ttggtacaac	tgggtggaaat	ggagacaatc	ccagacaaac	36060
aagatatatg	gccatcctaa	ctataatagg	attttatcta	aacttgcgat	actaataaaa	36120
tactgtaaaa	agttaaggta	ttaatTTTTc	acattttctt	acggtacaaa	gtattgtcat	36180
ctttattttca	cagactgata	taacataggt	tacacgactt	ttcaagacta	atcaataaac	36240
agattacgaa	aaaaggttta	gtacatctga	atccagggtca	cttgatattc	atactttttca	36300
acatatgggtg	ataaggaact	ccttgcttta	cctaataagt	cttcgttttt	ccagctcttc	36360
tatgtcagta	aacatagaag	attattgggt	gaacattcta	ttttatgtta	ctctgggtcat	36420
atagcattac	tgaccagcgg	aaagtgggaat	acacacaaat	ttggtaataa	agttttgtatt	36480
tcaattttaca	tacaggcata	cagttatcat	gtaatgcttt	ctttttgaaa	aactgggaat	36540
ttctctatat	taccattttt	aaattttaag	taatattaca	ctataacacc	tatcagtgc	36600
cttcagcata	ctgatgactg	actagcagac	aaagttatta	caagtaacca	caagaaactt	36660
cagtacttgc	tctacctcct	aggacacctt	ctaatoctct	tttcttgact	tgaactatgt	36720
tctcagcaag	atgcacagtt	tgacgattat	catcacacag	aggggaaata	ctgctttcat	36780
tttggaaaatg	actctacaga	agcagacaa	gagatattac	ggttttgtga	agttatgaaa	36840
aaacagtatct	gtttgaaaag	gaaaggatta	acttacactt	agaaaggaga	aaacagataa	36900
tactggaat	aaatgtataa	tgaagaacat	tagtattagt	ttcactgaaa	cacagtgtag	36960
aaagggtatg	ggatgtccaa	gtttcacgag	agacaaagac	ctaatacacgc	agcagacctc	37020
aagtcagaga	ataacattat	gtgggtccat	ttttaattac	caaagaagag	cttactaaat	37080
acaaaactat	gagttttatc	caattataca	gtcttcaatc	tccaacttaa	agaaaatgat	37140
gaataggatt	aaatgtaaga	ctctgaacat	ttttgaacat	aaaattttta	aatgtaaaata	37200
acaattataa	taatagtaag	tgatactttg	gtgagagctg	atagagaaaa	tctggcatgt	37260
atatactata	cacaaggatt	tgaagcccca	tttacaataa	atctataacct	cttccctctt	37320
ggcccacatt	ttggttttga	ccctttctct	gtattttctc	atataatgcc	acaaacttca	37380
taataacaat	aatgactggt	acctatagta	ctcaggcaat	ttaagaactc	ttacaggctt	37440
ccactgggtg	agatcatccg	ctaaaagagg	ggcaaaaaacc	tagtctgaga	gttggattga	37500
atgcaagtga	gcaaagatat	ggctttggca	gagtccttat	tttgattcaa	atttgcctc	37560
tttgtgggtt	gactcaactt	tatggcctga	aaaagatcca	gactatttca	tgtcaatcat	37620
ctgctagagg	ataaaatcat	gaagtgaatc	aatcttctgc	aggacacagc	aggatatttc	37680
tcaatgggtt	ttgaacttgt	aatatcgtct	taagatgaaa	attaattaat	gtgttcacat	37740
ttcccaagct	acaaaaaaa	gagctgcaag	aaccacatat	cctaaaaacag	gagtcacaaa	37800
cattttgggt	gacactggcc	agacaggtaa	cataaatgag	tgtagcagga	tttatcatat	37860
aagcaataaa	aagtgggtgag	ggctatcact	agaaatctca	aaagggtgtaa	atatttgaat	37920
tattttttaa	cataaaatat	acttataaaa	cacatttatg	ggccaaattt	ggccaatcac	37980
cttgagacct	aaagcattcc	caaaaacatat	atattttata	ataaaaatttc	tacaattacg	38040
gattccacaa	gagctaaaaa	aatatgggtg	atttttcccc	ttgaaaacat	atgaaaatta	38100
tattttatct	tgattttcag	aataaaaaac	atttttccagt	ctgccaacaa	atcacagaa	38160
tcacaaagca	attgtttaat	ttaaaaacaa	attattttta	aacaatttaa	atgttatcat	38220
atttaaaaa	atatacttac	actaactcaa	gtgcaatacc	accgttcctt	atgatcatta	38280
ttcttttagc	tttagtaagc	tgtttctgaa	attcctatgt	taaaaagaaa	ataatgaggt	38340
agtattttgt	aatagtgggc	aataatctga	aatatgaggc	ttcgataata	ttctaaaaat	38400
gtaaatattt	tattgaattt	gtaaaggaaa	aaaatgaatc	tcactttccc	actgtatcag	38460
ggcacatcct	ctcaattaat	ataacaaaag	tcccccttta	tgctttatcc	caagctgcct	38520
ttatagcaat	gcctctcctg	attttccctt	ccttttaggt	cattacattt	acagtacttc	38580
agaatttcgg	caggaggcac	tattaaactta	ccacattccc	aattatttga	ccaaatcaat	38640
tattctttct	tttcacctag	actctcagtt	tccctagagt	tactcaacac	ttaaaacttc	38700
taggaatgag	aagctcagca	gcatagtggt	taagagcaca	gactctggaa	gcactggctc	38760
tagcaattac	taactgaatg	actttgggca	agttgcttac	cctatctgca	tctcagggtc	38820
ttcaactata	aatggaaata	agggactata	tatcctaatt	tttctgtaag	gattatgtga	38880
gatgacacag	acaaagctgg	taggagtagc	acgcacccaa	taatgtcaaa	cttctactaa	38940
aaaaaaaaat	gttattaaca	ttctaagaca	gatacattga	tgccctccacc	ccccagaaaa	39000
aaaagatcac	aatgagctta	gagaagccag	tggtaaatgt	aaatgacagt	taaagggtgc	39060
agcacaccaa	catggcacat	gtatacatat	gtaacaaacc	tgcaacttgg	gcacatgtac	39120
cctagaactt	aaagtataat	aaatatagat	atattaaaaa	aaaaagagag	agagaagcca	39180
gtggtaattc	tttgggcact	ttcagaagta	tagaatagtc	ccactgcttc	agaatgacat	39240
ctggccctcc	tactaaattt	atatttaaatt	tatctccaaa	cttataatat	tcactgaagc	39300

tgacatcttt	aaaattctcc	aagaaaaaaa	caactgaagt	ttatttcagt	ttgtccttca	39360
ttgaggatat	tgcaatttaa	gaaacatctg	caagagcact	ggacctagag	gtgaaaagca	39420
caagtttaaa	ttgtgtatct	gatagactta	acagctaaat	tagtatagat	acatacttaa	39480
tctcttgacc	tcagtttctt	atlttgtaaat	tgggagtaat	aatcgtcaca	caggattatc	39540
atgaggattc	aatgagttca	tgtatgtaga	ggaccgagct	aaaacagtta	tgagctcaat	39600
ctctgataat	atgaacttaa	attgtttata	agaagataat	caagttcctt	taattttctc	39660
tcaattccta	attattaaga	gaataggctg	aaagaaaaca	ttattaaatt	ttcagaatat	39720
aaattatatt	aatgcaaaat	catcatgtca	tgagacagaa	caacgaactt	gagggttagac	39780
atagtattgt	gaaaccagga	agagcttctt	ggcaataagg	gttaataagc	cctgaattaa	39840
attaaattac	caaaaggaat	ttgtataatg	ctccaaaaac	agatgtttca	ccttattggg	39900
atagtttatc	tagggcagaa	caataagcca	agtgcacttt	tctgttctat	gatttctatca	39960
tgatttttga	ccacaaagat	cttttgaatt	ttttttgctg	gagaataaga	tcagtaacatt	40020
ttgaatacgc	ttcacctttt	tggaaaaaat	tgttatatta	tttaggttgc	aaatcacata	40080
ttccccaagt	agagtaaatga	atgtgtgtgt	aatataagtt	gttaatatct	agcacagtca	40140
ttatatctgg	gttatctcac	gctgataaca	catcagcatg	aacttaaaaa	catagtgtca	40200
actaaaaata	taaaattggc	aggaataggc	tgggcacggt	ggctcacgcc	tgtaatccca	40260
gcactctggg	aggcctagg	gggcgggtcac	gaggtcagga	gatcgagacc	atcctgggcta	40320
acatggtgaa	accctgtctc	tactaaaaat	acaaaaaaa	aaaaaaaaaa	tcagccaggc	40380
gtggtggcag	gcacctgtag	tcccagcttc	tcgggaggct	gaggcaggag	aatggcggtga	40440
aactgggagg	cggagcttgc	agtgcagcca	gactgcgcca	ctgcactcca	gcctggggcaa	40500
cagagcgaga	ctccgtttca	aaaaaaaaaa	aaaaaaagaa	gaaaattggc	aggaataaaa	40560
cataaccact	ctgtggttta	ctggctcatga	aacaaaaatt	tcccttctgc	ccttacagtt	40620
taggaattgt	aagtgggaaca	ctttaattca	aatgtagaaa	attcttttat	tttcttctc	40680
acgatccaac	cttaaaatgt	tacctgagca	ctgtctgtat	cacggattcc	taatacataa	40740
ggatttctct	cacatatcaa	cttttggtta	gctccagcac	acagacagag	tttcttatat	40800
acgtgctgat	tgccatcttc	tgttacaatg	cactgtaaat	acatcaaaca	atgaaagaaa	40860
agggagacac	ataatcaaca	tggatacaac	ttcactttta	actaaaaatt	caataaggca	40920
aaagcaaaaac	ataatatatt	aagggttgct	cttgggtggca	ctcagttctt	tgttatagca	40980
attacaaaaac	taagcatgag	aatacatgta	ctaattccagt	tattctttaa	tcatttttaag	41040
ctcatgaacc	atlttgagat	ctcctgaaaa	tagtcttttc	tcccctggca	taaaaaggta	41100
cattcacaca	aagttttgta	ttaaacttca	gggaatccca	tggttggttga	aaagggtatgt	41160
tgacccacag	ttaaaaacaa	aacttcaaga	aattttttaa	tttaagcatt	ctcattatac	41220
ctgtgacagg	ccttgatgaa	gatttctgat	ctcaagggaa	gttactgtaa	gaagacctag	41280
taatttctaac	catatcctac	cttcatatct	attatgagta	cagaaaagca	gtgagtggaa	41340
caagagggtta	tggtatgtct	tcttaatcta	aaaagactag	aagtgcctta	aaaaaatagt	41400
acttatattc	ttaagtacaa	ataatgactt	tacgagcaaa	ccaaatgctt	ttgggggtata	41460
tttttagtata	agtaaaaaat	atgataatct	ttaatcctag	catgtatttg	ctttaaattt	41520
atattaatta	ataacataaa	tgggtctaaa	actacatatc	agagatatat	tgcttttggt	41580
ctttaatact	gaatgaaaaa	ccacatataa	atagtagcct	ttagaaaaca	tttaaacata	41640
aatgcattgct	actatgagag	atgctcaact	ttgttcgaat	gatttagggg	ttaatgtttg	41700
tgccaagtgt	ttgacttaca	aaccttggtta	aactgtatca	tagcacttaa	catccaatga	41760
gacatttata	actcaaatta	attcttcagt	tccataacaa	atacataaaa	ccagtaatcc	41820
agcatagcat	aatccatgta	gaaattttat	acaagtcttc	ttttaaataa	tctgggttaga	41880
atlttcaactg	acaagaacaa	aagttaatta	taggcactga	caaaacttta	aaaataattt	41940
gcatttagct	gctgtaaaaa	caaatagcac	aaacaaacac	aaaaactctt	tccattagct	42000
actgctaaat	ttttggcaag	agacgtgaaa	gtaaaaacata	ctatctctaa	ttcactaaaa	42060
aatgtaaagg	acacttctcc	agacggaagt	gagccacaca	ctctgcgtcc	tcgcctcact	42120
aggaaactac	tgaagttcct	ggggaagcac	agtagcattt	cataagaaca	aaatggatgg	42180
ggaagagaaa	acctatgggtg	gctgtgaagg	ccctgatgcc	aggtagtgta	aattgatatc	42240
atctgatggc	catgaattta	ctgtaaaaag	agaacatgca	ttaacatcag	acatgataaa	42300
agccatgttg	agtggcccag	ctcagtttgc	tgagaatgaa	accaatgagg	tcaatttttag	42360
agagatacct	tcacacgtgc	tatcaaaagt	acgcatgtgt	tttttttttt	tttagatgga	42420
gtctcgctct	gtcgcccagg	ctggagtgca	gcggcgtgat	ctcagctcac	tgcaatctcc	42480
cgggttcatg	tcatttctct	gcctcagcct	cccaagttag	tgggactaca	ggcgcccgcc	42540
cccacgcctg	gctaattttt	ttttgtattt	ttagtagaga	cgggattttca	ccgtgttagc	42600
caggacgggtc	tcgacctcct	gacctcgtga	tccaccgcc	aaggcctccc	aaagtgtctg	42660
gattacagggt	gtgagccacc	gcgcctggca	gtatgcatgt	atltttacata	caaagtctgc	42720
tactactaaca	gctccactga	gttcccgaat	tcccaactgc	acctgaaata	gcactagaac	42780
tgctgatggc	tgccaacttc	ctagattgtt	aaataaaaga	aattataata	aactgtttaa	42840
aaaacaaaaa	tgtaaaggac	aatggataag	agaaggcaga	catgcactgc	atgtgggata	42900
tttttcaaat	ggtaacggga	agcactctga	ttcattcaaa	tgccctaaca	cataaattcc	42960



ctgacaatcc	athtagcata	ttttgagagc	ccacctcaat	ttacaaataa	attgacaaat	43020
atattacttg	gaatatgtaa	taccactata	agtattagaa	acttatctgg	tttggggatt	43080
cagatttttt	atTTTTtccT	gataaaattc	agtacttttt	tctctcaaat	tacttggtgt	43140
tcaaagtgtg	tatatatgtg	ttttatccct	aaaggagata	aaacacatct	ctaatttatg	43200
agctagaact	cataaattag	aactgcttat	agaaacaact	acaaatctac	ttctcatctt	43260
acctgaagct	catctgagga	tactgtaaat	catctaacaa	catcctttcc	tgagactgcc	43320
ttcttcattc	tcatgtaaag	ggttattgag	tcctgccaaa	tttatagcag	aaatctcact	43380
caaactctggg	atattttttta	caactacatt	gtccctgtct	cagttcagac	cttacatcat	43440
ttttcaaate	aatttttttaa	aaattattat	tatccttttt	gagacagggg	ctcactctgt	43500
tgcccaggct	ggagtgcagt	ggcgcaatca	cagctaactg	cagccttgaa	ctcccaggct	43560
cagggtgatct	ttccacctca	gtcaccaaag	tagctgggac	tacaagtgca	cgccaccatg	43620
cctgattaac	tttttgtata	ttttttgtag	atatgggggt	ttgctatggt	gcccaggcta	43680
gagtcgaact	tctaggctaa	agccatccgt	ctgccttggc	ctcacaaagt	gctggggatt	43740
ataggcatga	gcctgtacat	aatttcctga	ctcttcacat	aatttttgac	tatcataacc	43800
accttctagt	ttggttggct	actagccact	tgttcatgct	caacactcct	atcagatgta	43860
tcttccttaa	aaaaaaaaaa	aatctatatt	tatcattgat	gccccagctc	ttaaaatcac	43920
cttacaattt	ctcccaaata	taaaacaaac	tcaacttctc	tctttttttt	gagaaggagt	43980
ctcgctctgt	cgcccaggct	ggagtgcagt	gggtgcgatct	gggctcactg	caagctccgc	44040
ctcccgggtt	cacgccattc	tcctgcctca	agtctcccga	gtagctggga	ctaacagggtg	44100
cacgccacca	caccgggcta	atTTTTtGta	tttttagtag	agacagggtt	tcaccatggt	44160
agccaggatg	gtctcaatct	cctgacctca	tgactcgcct	gcctcagcct	cccaaagtgc	44220
tgggattaca	ggcgtgagcc	aacgcaccgg	cccaaaactca	acttcttata	gtgtgacatt	44280
aaaaaccctt	caggttctca	cttacttatc	ttctagcctt	gattgccaat	ctcctttact	44340
taaacacacc	ctaatecctt	tgacatctct	attcttcata	tttcttttcc	tttctttggg	44400
tctttgaaca	ttcaatctcc	ccttcctgga	atgcctcttt	ccacctgggg	aactcttaat	44460
ttcactcatc	tgtttaatacc	ccccctattt	tactctctct	gtaaagtctt	ccttaagccc	44520
tgatatcaga	gctttgatag	tatttcagtg	actgtgtttt	ttatatgtca	atataattat	44580
agtatgcatg	ttcatattcc	cTTtgacact	gacagttcct	aggagccaac	acctcgtatt	44640
aaccctactg	catcccagca	cctaattgcag	tatccagaac	acagtggaca	ctttataaac	44700
attaatgtaa	tttgaaatgt	gaagactaaa	atcccaaact	taattatata	attccaataa	44760
acttacaaaa	actgtatttt	ttctaataat	actggaaatc	aatgtcacta	aactttacat	44820
gttaaaaaact	taaatgggtg	tggttagtaga	gctggagtga	aaagaggcag	gcaaaacttc	44880
atcaagattc	aacaatggaa	aatgttatta	agaaaacaat	tatcttacgt	gttcttcact	44940
cttcagttgc	tttacgccag	attctataac	cttaatgttg	ggaaagcgtt	ttcctaacat	45000
ggtacttgat	tgttcttcaa	catcgaattc	ttccaatatt	ttagaaatct	gtatagatcc	45060
aagagattaa	aaatgtatat	ttttaaagta	ttttctttca	agaatcttaa	ataataaaaa	45120
tactttgctt	ttacacacta	ttttgtgttt	ataaaacaaa	caagttagcc	aactgcacta	45180
tatagagtgg	aaagaggact	agactcagca	tttagagact	taaatatttg	cttggccgct	45240
cctgggcaag	tcagggtgcta	caagccatga	tttctggct	aataaaatga	gagctgacct	45300
gtaaaatgag	gggtaacacc	acttacattt	ctacagttta	gccaaacagc	ttattttatt	45360
ccttatccct	caagctttct	ctattttacta	gcagacctta	tggtcatcta	gtcctttgcac	45420
tcttctttcc	tgttctataa	aaccatcagt	attctagact	cactttcctt	tctgtccagc	45480
taaagttcaa	ttgtgaatca	tttcaccttt	tcctaataat	ctttacttcc	ttgctctctt	45540
atcctaaact	gttaacctga	aaaccctcaa	ccctataaac	tatctgcttg	ctctagtcct	45600
aagcccagtt	tgctgcagaa	agaccacaca	gccttacaga	ttgatattca	acctcagctg	45660
ctccttaaaa	actgcatgga	aatcttactg	catggccctg	acagttctca	aaccttttgg	45720
tctcatgacc	cctttacagt	cttacaaaatt	atgtaagaac	ctacttctag	ggttattttaa	45780
ggatcataga	atagatctga	aaccttttaga	aggccacttg	atgcatggta	agcacttaat	45840
aaatgtgaat	tattagcagt	aatctttttt	ctccttttaa	aattatacaa	gtcatgaatc	45900
atgctctttg	taacactaaa	caaacaatac	ataatacaga	gtaaatgtta	aagtctctat	45960
cactcttcat	atctcatcct	taatccctca	ggataagcac	tagtgacttt	ttgggtgttat	46020
gttctatact	tttaatctcc	ttatcttatg	tgccatgac	attgggttaat	atataatata	46080
ggtactcaat	aaatcataaa	gataatgcc	tttccctactg	ctgtacacag	aatagctgat	46140
atttgtatat	ttgttattgg	cacattttaag	ttcacaaacc	tgtgaagtaa	gcaaggaaaag	46200
tattaacct	atactacagg	tgaagcagct	tacagagatc	ttccaaggct	acccgaccag	46260
taaataagag	gcctagaaac	caagcttttt	ctcttctgtt	tatataactt	acaaaaccgg	46320
caaaaactga	attcaagct	cacaactctt	ggattattat	actgaattag	gtccttctgga	46380
aagatactta	tgagaccag	ctatacatcc	ttctcttatg	tatacagtct	tagcttgtca	46440
ttaaataatgt	actttttacct	tttaaagatt	aatagctata	atTTTTtCctc	tattttctccc	46500
aaactccata	actctttggc	tatacctaag	tactaagcta	tcatatgtat	ctctattttag	46560
gttataaagg	gacaacatgg	tatatgccac	taaactaccc	ttggctcttat	gggtttacaa	46620

catgagaaaa	ttatatccca	ttatcaggat	attaccagag	acatcgtatt	aatgaaggg	46680
ctatggtagt	agtcttcact	gaaggggtgg	aagaaagatc	agaatgtacg	tttttcgaca	46740
ttttagaaat	tttattttgc	ataggcttta	taacattttat	aattgtagtt	ctgtagctca	46800
tacacataac	ttattagtat	acatatattg	ggatgtcagg	gcaaaacttt	ttaacagttg	46860
agctacagga	aaaaaaaaagt	ttggagatga	cttttctatg	atactattac	ccaactgttc	46920
ttagactcct	actataatgt	gaatataaat	taatggaata	caaagtattc	tgagacacta	46980
attatctata	agtataaact	tggcttgga	gcacttttct	gatgtgtaaa	cacacacaca	47040
caccctacc	catattgata	ataaatatca	tgtatatttg	taccattttt	agatttgag	47100
agcatctttc	ctgaaaattt	tttattggaa	acttttctca	aagtaattct	aagtggagg	47160
aaaatggaga	aaaagaatag	aagattaaaa	atttagtatc	attctgggag	cttctggtat	47220
tctatctgaa	taattctcaa	ctcgagcttt	tttaaaataa	ctctcaaaag	aatatttgta	47280
attttaaaaa	attaaaacac	tccagaatac	atggaggtat	tgtcatcaag	atggctaagt	47340
aggagatacc	agccttcatt	ccccatttaa	aaaaaacaaa	tatagacaaa	tcttcacaag	47400
ccaaaatagc	ccaaagaggg	ctcaacggcc	cattaaacaa	tctgcagcaa	cacagtggag	47460
catgaaaatg	gagaataacc	acataaaaga	atcaataatg	accctggcat	acctgagaaa	47520
ctaggagata	gctaggagca	aagaaaggca	gaggctatca	gtatcagcca	catgggtggg	47580
accactgtgg	taaattggtg	cctgcactgc	agaggaaact	ggcatccctt	gctactgtga	47640
ggggaccaac	aaccattcct	gccagggaac	cctagagtgg	gagacatggc	ggcatatctt	47700
gtctccacaa	agaagtggcc	aatgtcaaga	tgctttggca	aaggagtcac	tttgtcctca	47760
accctgtgag	gtttccaacc	ccagggccat	ggtcactctg	agaatgccta	cacctcagac	47820
ccaggttcta	cggcccatat	tggggccacc	tacatctcag	acaccagagc	catcaccata	47880
gtaagctagt	ttgcactttg	gggcctgcaa	ccaatcctca	ctgcacatgt	ctgcaatcta	47940
ggcactggct	cagctgccat	tgaaagctag	gccctgccct	gacactgaag	ctgctgtaac	48000
tctgagcaca	catgtgttcc	cattcttggg	ttccctggct	gcctcacaag	catcctcacc	48060
tcatattcta	ttaccaatat	agcagtacgg	gtacctgcac	cctaggcacc	aatatcatta	48120
cagtcccgaga	tcccagaact	ttaattcctc	cgtgtatgcc	tgtgttttgg	gcctcagctc	48180
tatctgctcc	ataggcacca	cttatcagac	accagcgtct	ctgccactga	accagaagg	48240
cagactcagt	gccaacaggg	atccccctaa	ccacaacttc	ctttgtggga	gaagaaaaga	48300
ttgggaggct	atttagcgcc	attgacattg	aaaaccccaa	caaccctcac	taccactgca	48360
gacatccaga	gttggtatgt	gaggatccct	gcaatcttca	acaacaatta	actcagctga	48420
cggagctgca	cagactacaa	agtgggcacc	ctcactgggt	ccagaactgc	tacatcccat	48480
ctagcaagca	gccctcccca	taggggaagg	tctttccaca	gcaaaactag	cccatacttc	48540
tgaaaacagc	aagtgtgtca	tcaaattgtc	aaacatcaac	ataaggcagt	aagaaacatg	48600
ataaaccaag	aagatatgcc	acaaaagaa	cacaaatgtc	agaactgcct	aagaattcaa	48660
aataattgtt	taaagaagct	gaaggaaact	caagaagtta	caaacaattc	aattaaatca	48720
gaaaaacaat	aagcaaccaa	aacaaaaaat	ttaaaaagtt	atttaaaaaa	taaagcagaa	48780
attctgacga	tgaaagatgc	aatgaatgaa	acaaaaaaaa	atgcaacaga	ctatgtcaac	48840
aagagaactg	atcacacaga	agaaaacatc	tgtgaatctg	aagacagatt	atttgaaaaa	48900
atacagtcag	aagggaagaa	gaagaaaaaa	gaatgaaaaa	gaacatagaa	gtagggaatt	48960
aaaggatggc	atcaaatgag	caaattcttt	aattataggc	gttatagaag	gagacaagaa	49020
agacaaagga	gtagaacatg	tattttaaaga	aataacaaca	gaaaactttc	caggctgggc	49080
gcggtggctc	acacctgtaa	tcccagcaat	ttgggaggcc	gaggtggatg	gatcacgagg	49140
tcaggagttc	cagaccagcc	tggccaatat	ggtgaaaccc	cgtctctact	aaaaaatata	49200
aaaaattagc	tgggcattgt	tgcggggcgc	tgtagtctta	gctacttggg	aggctgaggc	49260
aggagaatgg	cgtgaaccca	ggaggcggag	cttgcagtga	gccaaagatc	tgccactgca	49320
ctccagctctg	ggcaacaggg	tgagactcca	tctcaaaaaa	aagcaatcaa	ttcaccataa	49380
tcaagtggga	tttattcagg	gatgcaaaag	tggtctaaaa	tatgcaaatc	ggtaaatgtg	49440
atataccaca	ttaacagaa	aaaggacaaa	aatcatgacc	atctctacag	atatagaaaa	49500
aatattcaac	aaaatttaaac	gtcttttcat	aataaaaaacc	caacaattag	gtatggaagg	49560
aaagtaccac	aacaaaaaaa	tggctcatata	caagcctata	gctaataata	tattgaatgg	49620
agaaaagctg	aaagcttttc	caagatcaag	aacaacacaa	ggatgccac	tctcacaact	49680
tctattcaac	acagtactaa	agtcctagct	agagcaatta	aattaggtga	cagaaagaaa	49740
taaaaggcat	ccaaattgga	aagattttta	atagcttgac	ttagccattc	cacaatgtat	49800
acatgtatca	aaacatcatg	ttgtacagca	tataactgta	cttgtcaatt	tttaagaaag	49860
aaaaaaatca	acaattaccc	taactgctat	gcaagttatt	gcaatttttt	caaatttaata	49920
ttaaacaagt	atacaaaagt	tcttactctg	ttgaaatttg	taactgcttt	aataacagga	49980
gaagctgtta	ccaagagaat	atcttccgat	ggaaagtgg	tagccaactt	atttttaaaa	50040
agagagaaaa	aaaatttagga	caaattactt	taagtactgg	tatatatggg	ttggggttga	50100
gaataatgca	attttaataa	tgtaattaat	ctagaaaatt	aaaaaccac	tgttcctcat	50160
ctaaaggctc	ccattatcct	tggctctgat	ggggcaatgg	tgaataatat	taaactctga	50220
tactgagaaa	ataatattta	cagtaaacac	taacaaagaa	ctcctgaaca	agaaaagtga	50280

tataaagaaa	tatcctttat	ttacttcaac	tattttttat	accaatttag	agttataatg	50340
cagaggatga	gaataaacta	tcttcccta	taccagttaa	accaacttct	atztatctta	50400
aaataatatt	tcatttgtct	tcaattggat	gaaattaaag	caaaccctca	atattaaaca	50460
cttagaatat	tgggtctaact	ttccccaggt	gctctggcac	tcctattctg	cctcttccag	50520
tcagtacata	ttgtgggacg	ataaagccat	tttaataatt	gcttccacaa	aatttagagg	50580
tataacttgt	taatgtttca	ttattttcct	ttagctacaa	cctcgggtctt	cttcaactctg	50640
tacctgaaag	cattttctta	tctcaaagtc	tggttcctcg	acaccaccac	cctcaataat	50700
ctgggtctta	ttcctactcc	atcactaaaa	cagcatgttt	gagggatcta	tgaatcctta	50760
aaatccaagg	gattatttat	ttttttttta	atggagatgg	gatcttgcca	tgttgcccag	50820
tctggcttca	aactcctgga	ctcatgcaat	cctcccacct	tggcctccca	aagttctaag	50880
attacaagtg	tgagctatcg	tgcccaacac	ccatgcgatt	cttctcagtc	tcattttatt	50940
tgaactttct	atatttgaca	atatcattac	tctctccatc	tttctttcct	ctgtatatct	51000
tgtaatttat	atctctgctg	tttccattgc	tagatgaggt	cctcaaaact	tctttatact	51060
actgaaatca	ccttcgaatt	ggctctccag	tttcacgtat	aaaccagctg	cctctgccac	51120
aaatacattg	taactaatca	tctttcaagc	cttttcatat	gatcaagtta	ctccactgct	51180
caaaaacatt	tgactacttg	taaattcttg	ttaagttctc	agcatgctaa	gactccttat	51240
gatctatgct	ttaagcttta	ctgctccctg	atgatccatg	cttttccact	ggagatgaca	51300
ttcttttctt	gaataacttg	taaactttca	ctcattcttt	cataatgaga	ttttaaaaaat	51360
accttctttg	attaaaaaaa	tttctctctc	cctaattcac	tcctacata	ctccacaggc	51420
acctctaaga	taaccgttga	tatctcttgc	atagacatac	aatattgtaa	tattgtctct	51480
tccagcaggc	tgtgagtcct	cagcatggta	tataccatgc	tgttcatagt	tgaacactca	51540
gcccttaata	cggtgccctg	atcatatatg	tttacttagt	gaataaacgg	aaaatacgca	51600
tccaacgatg	gaaacacttg	agtttcttcc	actatttctt	atgacttcag	tgattgctca	51660
tgtttacttt	atatcaacaa	aataatgtag	aacttttttg	aatacacaca	tgtatctgaa	51720
tatatatgg	ctggctattc	agtataatca	agaaagcaag	ccctacatgc	atttaatcct	51780
tcgctgatta	ttttacaaaa	ctttactaga	aataaagttt	cttctatctt	gggagttcga	51840
agtatagaaa	acttacatat	gggattcttt	attaattagt	taagatgcac	taaagacttg	51900
gcaactatct	ggaaactaaa	ctcaatcacc	tacgataatt	aacaaagggg	gctgagggcc	51960
gggtgctgtg	gctcaggcct	gtaatgccag	cacttcggta	ggcggaagcg	ggcagactgc	52020
ttgagcccag	gagttcgaga	ccagcctggc	caacatggtg	aaagcccgtc	tctactaaaa	52080
atacaaacat	tagcggggcg	tgggtggctg	cgctgtaat	cccagctaca	ggctgacgca	52140
acagaagaat	cgcttgaacc	cggggaggcaa	agcttgcatt	aagccaagat	cgcaccactg	52200
ccctccagtc	tgggcgacag	agtgagactc	cgtctcaaag	aaaaagaaaa	aaaaataaaa	52260
agaaaggggg	ctgaattttt	tgtctaaata	caaagtcctc	atgtctgctc	tgacattaca	52320
aggatctgag	cacggatcag	ccagcttttg	tttctcggct	ataatttgcc	tcccactcct	52380
ccctgcgcct	aagagaaaag	tagtgagggtc	atctgaggac	caccaagcag	tttctaaaaat	52440
ctggggagcaa	taagtgcgga	aaagggcgca	gcaaaaaaag	aaccgggaag	aagaaaaaag	52500
gaggggggtg	gaggaaggcc	tccagtgtca	tccccttttg	ggtcggggaa	agaggcgga	52560
ccgcctgagc	accgccttac	ctgctccgca	caagtgcgc	ccgcgatgcc	gccgccgacc	52620
accacgaact	tccctgccgt	cggggggagg	cgcgctgcct	ccatgctgcc	ggactcccag	52680
tggtttactg	a					52691

<210> 8821  
 <211> 503  
 <212> DNA  
 <213> Homo sapiens

<400> 8821						
cagctgtttc	tatggtaatt	ttttgttcat	tgttatcact	tatagcttac	tctattatgg	60
ctttttaaaa	aaaaaatctc	tgtatatatt	cttatcctta	cttgtttgct	tacttttcta	120
accattagtc	taaattgaca	tttaggtaaa	tttgctttta	agttgaatac	ttaagccaat	180
gattcagtc	ttttgtcttt	tctgggggtg	gtagtgccta	ctagacattt	aattgtgctg	240
catttttaata	tttcttacca	ttcattataa	actttttttt	tttagacagg	ctctccctcc	300
gttgcccaga	ctggagtgtc	gtggcaccat	tttggctcat	tgcatcctta	acctcttggt	360
ctcaggcgat	ccccccacct	tagcctcctg	agtagctggg	actactgggt	cgtgccactg	420
ccatgccttg	ctaatttttg	tacctttttt	ttttttttct	gtagagatgg	gattttgcca	480
tgttgctcgg	gctggctctc	gag				503

<210> 8822

<211> 503  
<212> DNA  
<213> Homo sapiens

<400> 8822  
cagctgtttc tatggtaatt ttttgttcat tgttatcact tatagcttac tctattatgg 60  
ctttttaaaa aaaaaatctc tgtatatattt cttatcctta cttgtttgct tacttttcta 120  
accattagtc taaattgaca tttaggtaaa tttgctttta agttgaatac ttaagccaat 180  
gattcagtc ttttgtcttt tctgggggtgg gtagtgccta ctagacattt aattgtgctg 240  
cattttaata tttcttacca ttcattataa actttttttt tttagacagg ctctccctcc 300  
gttgcccaga ctggagtgc gtggcaccat tttggctcat tgcaccccta acctcttggg 360  
ctcaggcgat cccccacct tagcctcctg agtagctggg actactgggtg cgtgccactg 420  
ccatgccttg ctaatttttg tacctttttt ttttttttct gtagagatgg gatatttgcca 480  
tgttgctcgg gctggctcctc gag 503

<210> 8823  
<211> 305  
<212> DNA  
<213> Homo sapiens

<400> 8823  
attaatttat gagcagctgt tgctgtatac atgtaattat gtttgactac aaatgcatct 60  
ttacaaaatg ggcctagtg aatcataata taaatgggtc agattaactt aattcagatt 120  
aagaaaattg tttcatactg aggtaagcga ttgaaaaatt gtctatttaa aaatgcagtg 180  
cattttaaag agttactatt tgaggatcta aaatatacag agaaggctgc atattttact 240  
ttgatcttat taccatccaa aagaaagctt acatagaaat gatttgtcac tttctgcttt 300  
ctgaa 305

<210> 8824  
<211> 305  
<212> DNA  
<213> Homo sapiens

<400> 8824  
attaatttat gagcagctgt tgctgtatac atgtaattat gtttgactac aaatgcatct 60  
ttacaaaatg ggcctagtg aatcataata taaatgggtc agattaactt aattcagatt 120  
aagaaaattg tttcatactg aggtaagcga ttgaaaaatt gtctatttaa aaatgcagtg 180  
cattttaaag agttactatt tgaggatcta aaatatacag agaaggctgc atattttact 240  
ttgatcttat taccatccaa aagaaagctt acatagaaat gatttgtcac tttctgcttt 300  
ctgaa 305

<210> 8825  
<211> 16807  
<212> DNA  
<213> Homo sapiens

<400> 8825  
aggatgtgct gatggagctc cttgagcagt gcgcagatgg actctggaaa gccgagcgct 60  
acgagctcat cgccgacatc tacaaactta tcaccccat ttatgagaag cggagggatt 120  
ttgaggtatg agagtgcctt tttgtttttt tcctatttga gagcatgacg ctgtgacata 180  
taccagagcc tgcataatg tgagagagga agcaggccat gggccagaga tgagtggggg 240  
tctctgaccc tccacgttac gctgaagggtg gtggccagtc atcatctcca aatagtcac 300  
gggtatcacc cagacctggg ccctacctct gtggagaccc ccacatctca aactacagag 360  
taaccggcac tccactttcg aaaggctgcc atgaacagag tttgtgac accagtgtgc 420  
ccttttctga gaactcttcc ttactccacc tgcgtgaaaa aatggtgtcc cttccgtcca 480  
tcctgggctt gggaggtcat ccagtttctc taggcataac aaacagagca ggaaaagcaa 540  
aggccaagaa tcacgttggg gaaccatctc tgacatcgca tcttaacttg aaaacagagt 600  
ttgcttactc taatgtggaa atgtgatggg tcctcacgtg tgggctggcc tttgggtagg 660

aaatgttacc	attcattaat	gatcactaca	agttgtgcag	ccaaaatgtg	tgtgtgtgta	720
tttttattca	agttcaagga	cttttcacct	ccattatcac	atttgttatt	ttaaaatcga	780
ttctcctctt	tgcacatggg	aagaaatggg	ctttgttctg	ctttccagag	gctgggccat	840
ctgtatgaca	cgctgcaccg	ggcctacagc	aaagtgcacg	aggtcacgca	ctcggggcgc	900
aggcttctgg	ggacctactt	ccgggtagcc	ttcttcgggc	aggtagacct	cctgtccatt	960
ctgcagactg	tcctaagtc	tttaaaaaaa	aacaaaaaca	aaaacaaaaa	aaaaactata	1020
ataaagttat	atcttataaa	ttctctgttt	tctgtaattg	ctaatttgat	gaatttgtca	1080
tatttagtat	gattcttata	ttcctcagta	gtaaactttc	tgcttttttt	ctttcttcct	1140
gtcttttctt	tattactttc	ttaaggcagc	ggtaagtctt	tcctccttaa	gacattctta	1200
gcaacatctt	tggtaacttc	gtgtgggttt	caagtgtgct	tttcaagtct	gtatgtttat	1260
ctgtctagtt	attacaaaact	ccaaaaaaat	taacatttta	ttccattttac	agaaataaat	1320
cacctgtttt	cttatataat	tatatgtcat	gttttaaac	aaaattaaga	ctttctgttg	1380
tcctttgtgc	ctgtgcattc	ttatcctttg	tagtataata	tctccacaag	tatatattaca	1440
gtttttcaga	aaccttatag	gaaagggttt	atctaaattt	aacttaaat	ttaaccttcg	1500
agtcccttaa	cattattaaa	tggatataat	tataatacat	atatttaggg	cgtgtgggtt	1560
tctatgagca	ttatataacc	ttcaattttat	tctgttattg	tcttttataa	ctttatagca	1620
ataccagttt	acagacagtg	aaacagatgt	ggaggtaatt	acagtaaagt	cctaaaaagc	1680
aagtaataata	gtgaaattac	tgcgtctaaa	ctcctagttt	gatgtggatg	ttttttgttt	1740
catgctagct	tgcatttttt	tttactgttt	tgtgcaccat	tttctctctc	ttaattttacg	1800
tgagaaaact	taaaaaattt	tctttttaaac	attaacccca	gttggacttt	ttaattttca	1860
acctttttca	cttcccatgc	aattctaaag	ctgtagtcca	aacatgattg	gtgctaaaac	1920
agatgatgac	tgggtgatag	aaaatatttt	ctgatattga	gctacaggtc	tttaatatatt	1980
ttttctcatc	ggtaaagcaa	aatacaattt	atacaagctt	tacctaactt	ttactaaact	2040
tactccagac	ccccaaacgc	ttcagttcat	gccataaaat	cctgtgtgca	tgggagccat	2100
caggagaagg	gaggcatgtc	cacttctgag	cctgcctgtc	gtgggctgct	catcattttc	2160
tagtgagttc	tgttctctgg	gaaagtgaag	caggcttgac	tcccattaga	cttccctggg	2220
acagcttagt	cttgtatcca	aaatctttca	tttactcaa	cacttaatga	ctgcattctt	2280
gaataagttt	gcaatgttgt	gtttttcctt	tacctttgca	cctagacttc	atgtttattg	2340
cattttcttt	ctcattcaga	aagcccattt	cagcaggatt	tttagaccac	ttcctttttt	2400
tcccccttgt	aataaaagaa	cgcttcctag	gtggttaagc	ctgggcttac	gttcagggat	2460
agctctaatt	tgtctttatg	tcacagggat	tctttgaaga	tgaagatgga	aaggagtata	2520
tttacaagga	acccaaactc	acaccgctgt	cggaaatttc	tcagagactc	cttaaaactgt	2580
actcggataa	atttggttct	gaaaatgtca	aaatgatata	ggattctggc	aaggatagac	2640
catgttttga	taagtttcat	agcaatgtaa	tgttgtgatt	gattacatat	tatatatttt	2700
taaagtgtata	tagaaaaaaa	cacaagaaaa	atattaagga	ttgttgcccg	tgagtggcag	2760
gtgtattttc	ttcctgatac	cttttagtgc	ttccattaca	tgcttgacat	taaaaaatct	2820
ttatcgcta	atttttgaaa	catctaattt	tacaaaataa	ttaacgtctg	acaggatatg	2880
tcatttttag	tccagctatt	tagaaaactc	gacagaatga	ggcccgtggc	ttcgtacttc	2940
actgcacctc	ttcctgcatt	tagcacatga	cttgccactc	tgtcactgac	ggctgggatg	3000
aaggacaggt	gaacagatgg	gcggatgggt	gaatggacac	atggacaggc	caaggaatga	3060
actcaccagc	agcgtgactg	tgggaatggc	gatcattttc	tgcttagaga	gctgtcctct	3120
ggcattctgt	tctcatgaag	acccttttgg	aacctgcacc	tttgtcctgt	acctttgtgt	3180
gtcccaccct	cctcaggaca	tctccaggag	gtcaggcttc	cctctgcttc	ctgaagggtga	3240
aacatggggc	aagacgggtt	cactcccact	gcctttaaat	tattcctgct	aaagaaagtt	3300
aagttttaat	aggtttggat	acaattagaa	tgaatggcca	aatggccttt	tctaaaatac	3360
aaataataac	tttttttttt	tttttgagat	ggagtctggc	tctgtcacct	gggctggagt	3420
gcagtggcgc	tatctcagct	cactgcaatc	tctgctctct	gggttcaaga	gattcttgtg	3480
cctcagcctc	ccgagtagct	gggattacag	gaacgcgcca	ccacgcctgg	ctaatttttg	3540
tatttttggg	agagacaggg	tttcaccatg	ttggccaggt	tgtttctcaa	ctcccgacct	3600
caagtgcact	gcctgcctcg	gcctcccaaa	gtgctaggat	tataggcgtg	agccaccgag	3660
cctggcccaa	ataataactt	tctatgactt	tatgtatttt	cttctaaagt	ttcaggcact	3720
tttccatctg	ttttttcatt	tttcttcaca	atcgtctctg	ttttgagaac	agttctcttt	3780
cattttgctg	ccttatacca	gtatggcttc	catgtgctct	gcacagccat	ttctttttgtg	3840
tcccttttta	ttgctctaga	aggttaaata	caattaaaaa	gtgcaaaatt	gatttgttga	3900
tttgtcttcc	taataaatta	gctttttgtt	ctgcataagga	attgcctatg	tttaattctc	3960
tatcatgtca	cagaaatgaa	agtaccacca	attctagcaa	tgtgggttta	aaagcattta	4020
tatgttaaat	agaaactaaa	tttatcatta	gattagtcta	gattaatctg	tacctgtatt	4080
aaattaattg	atctgcagct	gttgcattct	atctcagctg	tctgtagatt	aatgataatt	4140
tggaggccta	gcttccaaac	attatttcta	aaataaacat	ttatctctct	aagccaaata	4200
tattaaaaat	gcagtttaag	aaacaatcag	agaaatccag	actggagggtc	attcaataag	4260
aaaaccagca	ctttggggag	ccaaggcggg	cggatcacct	gaggtcggga	gttcgagacc	4320

agcctgacca	acatggagaa	accctgtgtc	tgctaaaaat	atataattag	ctgggcatgg	4380
tggcacacac	ctgtagtcac	agctacttgg	gaggctgagg	caggagaatc	acttgaacgc	4440
tggaggcaga	ggttgcagta	gctgagatcg	cgccattgca	ctccagcctg	ggcaacaaga	4500
gcaaaactct	gtctcaaaaa	aaaataaaat	aattcaattg	tatgggaaaa	atgaatgata	4560
gggaattctt	ctaaattaaa	catgactagg	gacataacaa	ctaaatgtaa	agtgtgattg	4620
ttgattagat	tctgatccaa	acacaaatat	ctataactaa	cattctggag	acatttgaga	4680
aaatgttaat	atagactggg	tattggatgg	tattagggaa	tcagtgttaa	tttgggtagg	4740
catgataatg	tattgcgggt	atagaagcaa	atgtcccttat	ttttaggaga	agctgactgt	4800
agtatcctga	cgtgtaccac	ttactttgaa	atggttctac	tggaaaaaaa	aaagtctgta	4860
tgtctgtgtg	tgtgtgcaca	tccataagtg	tatgtgtatg	tatatattgaa	acaaatatag	4920
caaactgcta	gcagttgttg	atccaagtgg	tggatatgtg	gatgttttgt	gtactcttct	4980
ctccgttata	tttacaataa	aaatgttggg	aaataccacg	taggtaagaa	ctgagtgatt	5040
ccttcattga	gcaccaatct	cccattgtgc	tgtttcaatt	aaaggtcaac	cctaaggatc	5100
tggattctaa	gtatgcatac	atccagggtg	ctcacgtcat	ccccttcttt	gacgaaaaag	5160
agttgcaaga	aaggaaaaaca	gagtttgaga	gatcccacaa	catccgccgc	ttcatgtttg	5220
agatgccatt	tacgcagacc	gggaagaggc	agggcggggt	ggaagagcag	tgcaaacggc	5280
gcaccatcct	gacaggtatg	ggcccagaa	gccgcattgga	cacgagcccg	gacacctcgc	5340
caaagagctg	tccagaggga	ttcagaagct	tcaggactgg	aagggtcttt	cgagctcagt	5400
tagccacccc	cacacccatt	tcagtttcac	atttatctag	tgcttctctt	tgaatacttg	5460
ggatgttttt	ctgttgatct	gttgacactt	ccttcttcca	caagaccaga	agctcatact	5520
caacttaagg	tcacttacc	ttctgagaat	ctgatgaaaa	tggcgtgcct	tatgtgccta	5580
gatgtctttg	ccacacagct	aaggtgactt	atggactcca	ggtccagcag	ccacacccag	5640
tcctgggtct	ccgcacaggg	agggaccctg	ctcacacacc	tgtctcaggt	tctagcatgg	5700
cctgctcagc	gggtctcaggc	tgtgagtaaa	tgggatgtga	gcttggatcg	ccccacgctg	5760
ttgcccccg	gggctggcca	gctgccactt	gaatgcctcc	tctgccagga	agctcactgc	5820
attcagtggc	tatccacgag	ttcagcttag	gcagttttca	ctgatccctt	tggcactggt	5880
tagccagtga	taaccactct	tgggaaatgt	gttttgcata	atttcccggt	ccctggcaag	5940
tgtctagtca	tcctgggggtg	atttttacct	tctgtgggag	agcttgaccc	atccctgcct	6000
cattaggggtc	agcgacatca	ctggggtaac	ctaacataaa	atgctttctt	gaccaagaaa	6060
tatcagtggg	agggccgttg	agaatgccag	gtgtgccagc	tttcaccaca	cgtcttccaa	6120
agagtggccc	tagttaagtc	agaccaggaa	agggcctgct	ccccggaagt	tgggggttgt	6180
gagtttctgt	ctgggtaata	atacacacta	tcataataag	cggaaggagc	gctgtggaga	6240
tgtctcacc	aggtgcttat	cagctctcac	cggcgaagcg	tatgctttaa	aaagagagac	6300
tggatggcgt	ggggtttata	tctcagtaaa	gctgttacaa	aaaaaaaaaa	aaaaatacag	6360
gtttttatga	attagcccag	gacagcgtat	tgcagggagc	ttttcacact	ccctatgagg	6420
gaaaagagat	acaagttaaa	acaaaactgt	gttcttaaa	tgctccctaat	cctgcttgta	6480
aaataagaag	acagcatata	taaagcacia	ataatattgt	cctcacaaac	atcaccccac	6540
cccaaataat	ttaattattt	ttttaatgca	cacatcagta	gcaaattctc	attaagccaa	6600
ataactgcgc	ttccagatgg	aatcacttta	tgggaataac	cagcttacag	tgtttatggg	6660
tcagctgtga	taactttcct	tctgaccctt	taagtcagtg	gttaccacaag	gttgggtccag	6720
gaccagcagc	atcagcaccc	ccagggaact	tgttagagat	ggaagtcca	gggtccccacc	6780
tccgaaactg	ctggatcaga	aactctgggg	gctgtttgtg	gctctttgtg	ttcaacaggc	6840
cctcccggtt	atcctgggtg	atgctcagat	tagagaactg	ctgcctttaa	taaacctagt	6900
tcactgctga	gtcaggggtc	ggatttttta	gtatggttat	tggttaaggca	gtgtacggat	6960
tcataaacat	tcattaccat	aggctgtttt	cccagggcac	atttctccag	ggttacagggt	7020
catcattttg	ttagagacta	cttttagatta	gataaagcac	atgagcaatg	ctctgtatct	7080
gcgggaacaa	ggggacagag	agtgcgcttc	agagagaggt	ggggcagaca	cctgtgttgt	7140
tggcctgggg	attgccgtcc	acagctgtgg	gttgagacag	cctaagcaat	ggcgaggctg	7200
tcctgggggt	cctgtaggcc	tgggtcacag	cctcattgtg	tgaccttggg	caggtcactc	7260
ttctctctta	tgccttagtt	tcctcatctg	taaaatgcaa	gttaggacac	ttatctcatt	7320
atattgtcat	aactttgtaa	atagtaagaa	gcaagggaaa	gagcgttctt	cattttttgc	7380
tagatttcat	ccgctgttga	gctagatata	cacaccaggg	cgttctgaag	gctagacctg	7440
agggttttcc	ctcaagttat	caaccctcca	ggttcttctt	ccattgcatt	gctttgtacc	7500
taaccttttg	ccttccaaag	gtcaaaggga	gcccaggcct	tccttgccct	ctacaccagg	7560
aaaaggctca	cctttctggg	tagttccccc	tcagtgact	gtaactgtgc	aatcatttga	7620
aaaacctcat	gatcacctc	cagcctcctt	tcagtggaa	ttctgagcct	gtcccaaaga	7680
agggggcgga	ggagaagcct	cctccacttc	tttctgggaa	cttttgccaa	ggagtttctt	7740
cccagtcact	attccagagt	cctccaaacc	tggattagct	tccggccctc	cactttctat	7800
tcaagacaca	cagaccagca	gtcaccatac	ttatcactgg	gccttccccg	tcctcctttc	7860
taaagggctg	gctcagtcgg	tcacctaat	gtccaccttc	cagagccagt	ttggactctc	7920
atgcagccat	ttgggcagta	atgcattcat	tcattcaaca	aaatgtattg	cacactgacc	7980



atgttcccat	tggcaggcta	atgaaacaga	catctgtggg	cctgtgcagc	tggcattcta	8040
gccagaggag	acagatgata	aacagtaccc	agatgagtaa	atataaccgt	ggtagaacgt	8100
gatctgtgtt	ccagacaaag	caaaaggaga	ctgggaacct	ggagttgacc	tccttcccta	8160
gaaacaggaa	ggcagcccca	ctcttcccct	gaagcacagc	cccctgtcca	aatacaagca	8220
ggcatctgcc	agcactgcct	ccctgactag	ggagcagcga	ggccgagtc	tcaccatcct	8280
accagggagc	tttgtggatc	cccagtgtca	ccacttaaaa	tctgtgaaac	caagtcggga	8340
acccttcacc	tttactgat	aaaacattgt	gaaaaggcaa	caggcctata	agtacgtgac	8400
atatgaggtt	gcctcagggg	ggacatgttt	tccgcttttg	tccagatgtt	gggtggccca	8460
tcggaactct	gtgtttcaca	ggggctgggc	ctgtttccca	tcctgtgatg	agtccttccc	8520
aattgaactc	ttccctagcc	agttgttaac	tagagaccag	gaccactccc	atctgacgtt	8580
tgcttggtca	aaaaaaataa	taagctttta	agtacatata	tacctgccta	ttagtaaata	8640
tatgtcaagt	gagaatatta	tagatatattc	tatatataat	agagcaataa	gaaatgtgaa	8700
atagtaaatg	agaacctgct	gtttttctgt	tcattttttaa	attaactcct	ttgtgttgat	8760
gttttaggtat	ctcattatga	taaaggaaaa	caatattaat	cagattttttt	tggttaaaaa	8820
atatataaga	aaaagtaaat	attttttattt	ttattttctta	ttcattgctg	taagtttcaa	8880
aataccttta	ttagcactac	agctccaaaa	gtttgtgaat	ttctgggttca	tgaaatcctt	8940
tgcttaggag	tatatctctt	gtgtttttttt	ggtttggtgt	ttaggggaat	ggtttttggt	9000
ttcttttttg	agacaggggtc	tcactctgtta	gccagggctg	gagtgacgtg	gcacaatcac	9060
agctcactgc	agctttgacc	tcctgggctc	aagcctcctg	tgtcagcctc	cccagtagct	9120
gggactacag	gcatatacca	ccacactcag	ctaattttttt	gtattttttta	caaaattaca	9180
aaaattaggt	ttttgccatg	ttggccaggc	tggtcttaaa	ctcctgggct	caagtgtact	9240
accagccttg	gcctcccaaa	gtgcttaagt	tacaggtgtg	agcactgtac	ccaccctagg	9300
aatatattct	tacttattat	tttctactga	tttctcagct	ttgtgcaagc	ttagcatgtg	9360
attcaaagtt	attctatgga	caaaaatgaa	ttttctcaag	gatatttttta	tggaaactatt	9420
ttctggactt	aatctgttat	gtagtatctc	aaaattgttt	agtctttttt	atgttgtcaa	9480
agtcacttta	tatccactaa	ctcattcaaa	cctcagagct	tccaaggaag	gtttgagtgg	9540
ggaatgataa	cctcatttat	ttaaagacac	gcttgtcaca	ttaaaaggat	aacaaggacc	9600
caactctctt	gactttacga	gacacacgat	tgtaaaggaa	gacaatatte	tagctccatc	9660
aagtactagt	atgtgtcttt	ggcaagcttt	gggttcctta	ttttaaaaaa	gtaagtaata	9720
atgacatgta	taataatcac	ttctaataat	aatcagctca	ataacactaa	agctcgtgca	9780
agccatgcag	taattctggg	gcttacccct	tgcagccata	cactgcttcc	cttatgtgaa	9840
gaagcgcac	cctgtcatgt	accagcacca	cactgacctg	aaccccatcg	aggtggccat	9900
tgacgagatg	agtaagaagg	tggcggagct	ccggcagctg	tgctcctcgg	ccgaggtgga	9960
catgatcaaa	ctgcagctca	aactccaggg	cagcgtgagt	gttcaggtga	gccaggcaca	10020
gcaggccgga	gggcagcagg	ggacgtcctt	gcccctgggt	gacttgagag	tcgtttccac	10080
taacaagggtc	tacttgagag	cctcggttta	ccaagtgatc	cctgctccct	tcccccaacg	10140
tctgtgacat	ttctcctgat	atcagagggg	gaggaaaacct	catgatccct	gccccccgcc	10200
ccatgaggag	tgactgtggg	gacaagagcc	agatctcata	cactaccctg	atttgtcagt	10260
atttggggaa	ttctgggtgc	ctgattagaa	gcatcaagac	tcttctaaat	acaaagaagt	10320
gtggagagca	gtagattttc	ctataaaaact	gttggtttgct	gttttctatg	aaaattgtat	10380
ccaaaaaagt	accttaagtt	ttaccctctt	aatggatatct	tttgattaat	gaattcatta	10440
ttttaatata	gccaatcaa	tcaatttttt	tttattggta	gcatttttat	gttctcttta	10500
agaaatctgt	gtctactcca	aaatttcaca	gatgttctcc	taggttttcc	tcctttgctc	10560
agcatccaca	tccaggtctg	cagtccatct	ggaattgatt	tttgatatatg	ttatagtgtta	10620
agggtcagga	tatatTTTTT	ccatatgacc	ttccaagtga	tatacacaat	ttattgaaaa	10680
gatcatcttt	gatctagata	ctaacaatata	tgttcagttt	gtgaaaattc	atcaagctgt	10740
atacacttgt	gatatatgctg	ctttcccgtt	tgtatattat	acttttagtaa	gagggttttta	10800
aaaagttatc	ttacttacat	ggtttcctag	ttaattggta	agtgttaaat	cactccctcc	10860
agtaacaagt	atgactctta	ttttctggta	tttttaagtg	tatatagtct	aagcacatgt	10920
ttgttcatat	gtatatgtac	atgtgtgtat	atatgtatct	gtatataccta	ttgttttatc	10980
tttcaagaag	ggtatgttta	tgaaagttac	atgtggatta	taatacatag	gttttggttt	11040
ttttgggttca	ttttctgaaa	ttatatTTTT	tcaacttccc	atcagatcca	cgctaaagaa	11100
ccgtgagttg	ttgcccacaa	tttttggtgc	attcaccaca	aaagcattta	cagatgtttt	11160
taatctcttt	ccttatagtc	tcaaagacat	atgtgccaaa	ataagtttagc	aagtgaacat	11220
aagtattcca	gcaacatgag	tgattatgta	acaggtccag	aggccacaat	tttctgtagc	11280
taaaaacaaa	accactcaat	caacatgatc	ttggaacata	cagcccctat	ggaaaggccg	11340
ctggaggggg	gtggcaccag	tccagggtag	ggctggacca	ttgagctttg	taaaaggcaa	11400
aatatggcct	gttaatttga	tggtaaaact	agcatttttat	aaaattccca	gtcatcttaa	11460
aaagcaagaa	attccatgtt	gaaatgagaa	gattaagttt	atactcatac	ctaccaaaagt	11520
aacaacaaa	ttgcagccag	aggaaattaa	ctttatcatt	ttatttgctg	atttctgtaa	11580
ttgtttcatc	aagcagctca	ctggcgctgc	agctttactg	ggcagagccg	tctgcggagc	11640

ttcttgtcat	tgcactccaa	gatcttgc	ttagacctta	tggagtctca	tcagccttcc	11700
tctttctatc	ttcttcaaat	acagaccgtc	ttgtatcatt	ttagatgata	agtcattttg	11760
gtcgtcttca	ggtgatgaat	acagttcccc	ccacgcacca	gcctggtgct	gagttccacc	11820
ctcaacgcac	cttgggctgt	tcacccattg	cccccggtc	agaggtcccc	ctctgaccac	11880
tgtggctgga	acctggaacc	ctcctgtgtc	tccacgtctg	gtgtgagttc	ctgtggctca	11940
gttttcctgc	cattgctaga	caagtccctg	ctaccatggg	tcagaaccac	acacggggag	12000
ctccccta	tccttgcata	gctcaccaga	ccttccggga	aatatcaagc	agtgaccaca	12060
tagtcacgtt	cttccccagg	ctgtctcaga	cgcctggaac	attcttcttc	ccatcccagt	12120
gtgtccagcc	ttcttttctca	ccacgttctt	acctttcctt	acttatccag	aatcagcaga	12180
cccttcttag	ctgcttgcaa	gggtggtgca	gggttctggt	tcactcaccg	tgctgtctgc	12240
tcctaacatc	tagctctcca	gcacaccgca	aacgctcact	tcaccccagg	atagcaaatc	12300
agtttgccca	tggctgtcta	tacaattcaa	tgaaatgaac	agttgggttt	caaaaactgg	12360
aatagttact	gcatttttca	atttttcact	gaattcacca	gattggcctg	ttagttcagt	12420
gtagtgagc	acaaatccca	gtgactaaac	accttggaag	taagaatcct	tgacctggat	12480
ttggaagacc	tgggctgtga	tctctggcgt	tttgcttatt	ggctcttcaa	acttcaacag	12540
gcccctaagt	tttccaagca	ttggtttctt	cttacataaa	gtaaaccatc	atcacaagtg	12600
ccctgaagat	ggctgagatc	atggaatcaa	gtggtgtgca	acagagtga	ctttgtgggt	12660
tctttttggg	cttaagttcc	tgggaaggcag	ggattgtgag	tagctcacgc	gaacgggctt	12720
tttagtgctc	gcaaactgaa	actgagcaga	tggtcatggt	gattttcttc	ctagtggaa	12780
tgaaaactct	tgctctttgt	ctaggtcaat	gctggccac	tagcatatgc	gcgagctttc	12840
ttagatgata	caaacacaaa	gcgatctcct	gacaataaag	tgaagctgct	taaggaaagt	12900
ttcaggtaaa	gcacactgaa	agcatctttt	tctcttcgag	tattgatcat	ttctgtactc	12960
attcgggaag	gagatgctgc	tgggtggact	catgccttat	cctctgcgtg	cccttgtttc	13020
tcccgcctgt	accattccag	gcaatttgtg	gaagcttgcg	gtcaagcctt	agcggtaaac	13080
gaacgtctga	ttaaagaaga	ccagctcgag	tatcaggaag	aaatgaaagc	caactacagg	13140
gaaatggcga	aggagctttc	tgaatcatg	catgagcagg	tgagggccgc	actggctcca	13200
acaacttgga	gttcttggtt	aggggtttca	agtacaccct	atcatgactt	aggccgcctg	13260
atatecttcc	agaactgtga	catctgaag	agaatgtagc	ataccacact	cctgccatgc	13320
tctagcccca	ggctcatttg	gaacagctaa	cagattgccc	atatgctggt	atctacggca	13380
agcaggggag	agcgggccc	cctcctcg	gctctaagag	gtggccatgt	ttcctaagct	13440
ttctctctcc	ccacccccgt	ctagccaaaa	agaaaaagaa	ggaaaaactc	acacgaaaaat	13500
atccatactg	ttctgacaac	tttatctcct	taatcctttg	aaaaaagcag	gacttgccaa	13560
cctggtttaa	ggaattatct	gttgcatcca	atgtttttgc	tgtttaaaaa	tacagactga	13620
ttccattttt	gatgatgtac	agtgggccc	ggcgcccag	tggattcttc	ctttaagttc	13680
cttgctacta	tgggcatctt	ccctgattat	tttgctgtta	tctctttcct	gtgggtttct	13740
tcagtaggat	tctatgtgtg	ggctcagttg	tcacagagga	gacagtgtcc	catacccagg	13800
gaatgcctag	agcagcatcc	acattgtttt	ttttgtgagg	ggtctgtctc	agtcactgtc	13860
ctttctttat	aattgacatt	agcaccttga	taacacagaa	ctgctctgtc	tggcccctcc	13920
attatcgtcc	ttcagctctg	cacagtggaa	gccaggccgc	tttggtggag	gatcctatcc	13980
cctgacagtt	tagttagtac	attttcatgt	caggaaaacga	acgtcagttg	gtgagcttta	14040
actcacttgc	tttttttctc	ctccatgcta	acacgttcag	ctgggatggt	aatgtcattt	14100
ttaaacatta	tttttctgat	aatctgactt	agaaaaagct	attacttttt	tgagtttgag	14160
caactacaga	cattggcata	atgacagtac	atgggcagag	gaaagcacc	tcttctggac	14220
attttaaaaa	gtagaggcca	gacatggtgg	ctcactcctg	taatcccagc	actttgggag	14280
gccaagatgg	gtggatcatc	tgaggctcag	agttcgagac	cagcctggcc	aacatggtga	14340
aaccccatct	ctactaaaaa	atacaaaaa	tagctgggtg	tagtggcaca	taccctagtc	14400
tcagctactc	gggaggctga	ggcaggagaa	ttgctggaac	ccaggaggtg	gaggctgcag	14460
tgagccaaga	tcattgccact	accctctagc	ctgggccaca	gagcgagact	ccatctcaaa	14520
aaaaaaaaaa	gtagaaaaaa	attgaaacga	ttagagaaat	gaatgtctga	ataattaagc	14580
agaacaggag	ggactcatgg	gaaccgat	tcagagaaaa	cttgagatct	tttctgtgga	14640
gcctccagat	tcctatagaa	tggagagttt	ggtcagtggt	tgccgacatt	gggcactaga	14700
gaagatgaaa	gtagtaagag	atcataggct	gaaactgtta	aactcccaaa	gtacagggat	14760
atttaatgca	cttgctgtca	gctgcacctt	gaacttccca	ttatgccaac	agctgtgaag	14820
actgagcccc	cgtgaacccc	tgaagggccg	tggcgggggt	agacttgctt	tcgatgtttc	14880
caggggagcc	tctgttgagg	gtgaagacct	acactcagat	ccttccaggc	accactgggc	14940
atggaagag	aattgttcag	ggctcagagga	gtagccaccc	tctcccaaga	caaaatccgt	15000
aagaccctga	gaaaaggagg	caggagagaa	acacaaatgc	ttcaaattca	tttttaaagg	15060
ctttttcaag	gtcaaggcta	ggttgtgtcc	cagtcaagca	catgtaagta	gacctcacgt	15120
tgctttaagt	agacctcacg	ttgccttatg	atctgggtgag	cgtagaaggc	tctccattca	15180
ctagctttgt	aaaagaaaca	aaatgtgctg	ttcttgactt	tctccttata	atcctcacct	15240
gaaaacagtc	atztatgaga	taagctgaac	atctccctct	gtaaaccagc	agccaggctt	15300

tccggctgca	catcactcac	gtgatggagt	gagtgtagac	ttgtgtgtgt	gatgtggggt	15360
gcaacacatt	gagaaatatc	tgcttgcac	cttatactca	gtaacattgt	ggtgcacgtg	15420
gcaacattgc	cttaaactct	gtaacatttt	gttacacttg	gtaacattgt	gtcacacatg	15480
gcaacatggc	attgcatatg	gtaaccttgt	gttgccctca	gtaacgttgt	gtttctgtcc	15540
tcaagatctg	ccccctggag	gagaagacga	gcgtcttacc	gaattccctt	cacatcttca	15600
acgccatcag	tgggactcca	acaagcacia	tgggtcacgg	gatgaccagc	tcgtcttcgg	15660
tcgtgtgatt	acatctcatg	gcccgtgtgt	ggggacttgc	tttgtcattt	gcaaactcag	15720
gatgctttcc	aaagccaatc	actggggaga	ccgagcacag	ggaggaccaa	ggggaagggg	15780
agagaaagga	aataaagaac	aacgttattt	cttaacagac	tttctatagg	agttgtaaga	15840
agggtgcacat	atTTTTTTaa	atctcactgg	caatattcaa	agttttcatt	gtgtcttaac	15900
aaagggtgtgg	tagacactct	tgagctggac	ttagatttta	ttcttccttg	cagagtagtg	15960
ttagaataga	tggcctacag	aaaaaaaagg	ttctgggata	tacatggcag	ggagggtctg	16020
actgacattg	atgcctgggg	gaccttttgc	ctcgaggctg	agctggaaaa	tcttgaaaaa	16080
atTTTTTTTT	tcctgtggca	cattcaggtt	gaatacaaga	actatTTTTg	tgactagttt	16140
ttgatgacct	aagggaactg	accattgtaa	TTTTTgtacc	agtgaaccag	gagatttagt	16200
gcttttatat	tcatttcctt	gcatttaaga	aaatatgaaa	gcttaaggaa	ttatgtgagc	16260
ttaaaactag	tcaagcagtt	tagaaccaaa	ggcctatatt	aataaccgca	actatgctga	16320
aaagtacaaa	gtagtacagt	atattgttat	gtacatatca	ttgttaatac	agtcctggca	16380
ttctgtacat	atatgtatta	catttctaca	TTTTtaatac	tcacatgggc	ttatgcatta	16440
agtttaattg	tgataaattt	gtgctgttcc	agtatatgca	atacacttta	atgtttttatt	16500
cttgtagata	aaaatgtgca	atatggagat	gtatacagtc	tttactatat	taggtttata	16560
aacagtttta	agaatttcat	ccttttgcca	aatgggtgga	gtatgtaatt	ggtaaatcat	16620
aaatcctgtg	gtgaatgggtg	gtgtacttta	aagctgtcac	catgttatat	tttcttttaa	16680
gactttaatt	tagtaatttt	atatttgagg	aaataaagg	ttttaatttt	atttaactgg	16740
aatcactgcc	ctgctgtaat	taaacattct	gtaccacatc	tgtattaaaa	agacattgct	16800
gaccatt						16807

<210> 8826  
 <211> 16793  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (13408)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (13809)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (14012)  
 <223> n equals a,t,g, or c

<400> 8826						
aggatgtgct	gatggagctc	cttgagcagt	gcgcagatgg	actctggaaa	gccgagcgct	60
acgagctcat	cgccgacatc	tacaaactta	tcattcccat	ttatgagaag	cggagggatt	120
ttgaggtatg	agagtgcctt	tttgtttttt	tcctatttga	gagcatgacg	ctgtgacata	180
taccagacc	tgcatatatg	tgagagagga	agcaggccat	gggccagaga	tgagtggggg	240
tctctgacc	tccacgttac	gctgaagggtg	gtggccagtc	atcatctcca	aatagtcac	300
gggtatcac	cagacctggg	ccctacctct	gtggagaccc	ccacatctca	aactacagag	360
taaccggcac	tccactttcg	aaaggctgcc	atgaacagag	ttttgtgatc	accagggtgc	420
ccttttctga	gaactcttcc	ttactccacc	tgcgtgaaaa	aatgggtgtc	cttccgtcca	480
tcctgggctt	gggaggtcat	ccagttttct	taggcataat	aaacagagca	ggaaaagcaa	540
aggccaagaa	tcacgttggg	gaaccatctc	tgacatcgca	tcttaacttg	aaaacagagt	600
ttgcttactc	taatgtggaa	atgtgatggg	tcctcacgtg	tgggctggcc	tttgggtagg	660
aatgtttacc	attcattaat	gatcactaca	agttgtgcag	ccaaaatgtg	tgtgtgtgta	720

tttttattca	agttcaagga	cttttcacct	ccattatcac	atttgttatt	ttaaaatcga	780
ttctcctctt	tgacacatggg	aagaaatggg	ctttgtttctg	ctttccagag	gctggcccat	840
ctgtatgaca	cgctgcaccg	ggcctacagc	aaagtgcacg	aggtcatgca	ctcggggccgc	900
aggcttctgg	ggacctactt	cgggtagcc	ttcttcgggc	aggtgagcct	cctgtccatt	960
ctgcagactg	tcctaagtcc	tttaaaaaaa	aacaaaaaca	aaaacaaaaa	aaaaactata	1020
ataaagttat	atcttataaa	ttctctgttt	tctgtaattg	ctaatttgat	gaatttgatca	1080
tatttagtat	gattccttatc	ttcctcagta	gtaaactttc	tgcttttttt	ctttcttccct	1140
gtcttttctt	tattactttt	ttaaggcagc	ggtaagttct	tcctccttaa	gacattctta	1200
gcaacatctt	tggactttca	gtgtgggttg	caagtttgct	tttcaagtct	gtatgtttat	1260
ctgtctagtt	attacaaact	ccaaaaaaat	taacatttta	ttccatttac	agaaataaat	1320
cacctgtttt	cttatataatc	tatatgtcat	gttttaaac	aaaattaaga	ctttctgggtg	1380
tcctttgtgc	ctgtgcatct	ttatcctttg	tagtataata	tctccacaag	tatatttaca	1440
gtttttcaga	aacctatag	gaaagggttt	atctaaattt	aacttaaat	ttaaccttcg	1500
agtcccttaa	cattattaaa	tggataaaat	tataatacat	atatttaggg	cggtgtgttt	1560
tctatgagca	ttatataacc	ttcaatttat	tctgttattg	tcttttataa	ctttatagca	1620
ataccagttt	acagacagtg	aaacagatgt	ggaggtaatt	acagtaaag	cctaaaaagc	1680
aagtaataata	gtgaaattac	tgcgtctaaa	ctcctagttt	gatgtggatg	ttttttgttt	1740
catgctagct	tgcatttttt	tttactgttt	tgtgcaccat	ttctctctct	ttaattttacg	1800
tgagaaactt	taaaaaattt	tcttttaaac	attaacccca	gttggacttt	ttaattttca	1860
acctttttca	cttcccatgc	aattctaagc	cttgtagtca	aacatgattg	gtgctaaaac	1920
agatgatgac	tggatgatag	aaaaatattt	ctgatattga	gctacaggtc	tttaataatt	1980
ttttctcatc	ggtaaagcaa	aatacaattt	atacaagctt	tacctaactt	ttactaaact	2040
tactccagac	ccccaaacgc	ttcagttcat	gccataaaat	cctgtgtgca	tgggagccat	2100
caggagaagg	gaggcatgtc	cacttctgag	cctgcctgtc	gtgggctgct	catcattttc	2160
tagtgagttc	tgcttcttgg	gaaagtgaag	caggcttgac	tcccattaga	cttccctggg	2220
acagcttagt	cttgtatcca	aaatctttca	tttactcaa	cacttaatga	ctgcattctt	2280
gaataagttt	gcaatgttgt	gtttttcctt	tacctttgca	cctagacttc	atgtttattag	2340
cattttcttt	ctcattcaga	aagcccat	cagctggatt	tttagaccca	ttcctttttt	2400
tcccccttgt	aataaaaaga	cgcttcctag	gtggtaagcc	ctgggcttac	gttcagggat	2460
agctctaatt	gtgcttttatg	tcacagggat	tctttgaaga	tgaagatgga	aaggagtata	2520
tttacaagga	acccaaactc	acaccgctgt	cggaaatttc	tcagagactc	cttaaactgt	2580
actcggataa	atgtgtgtct	gaaaatgtca	aatgatata	ggattctggc	aaggatagac	2640
catgtttgga	taagtttcat	agcaatgtaa	tggtgtgatt	gattacatat	tatatatttt	2700
taaatgtata	tagaaaaaaa	cacaagaaaa	atattaagga	ttgttggccg	tgagtggcag	2760
gtgtattttc	ttcctgatac	ctttagtgtc	ttccattaca	tgcttgacat	taaaaaatct	2820
ttatcgccta	atttttgaaa	catctaattt	tacaaaataa	ttaacgtctg	acaggatatg	2880
tcatttttag	tccagctatt	tagaaacttc	gacagaatga	ggcctgtggc	ttcgctactc	2940
actgcacctc	ttcctgcatg	tagcacaatg	cttgccactc	tgctactgac	ggctggatgt	3000
aaggacaggt	gaacagatgg	gcggatgggt	gaatggacac	atggacaggc	caaggaaatga	3060
actcaccagc	agcgtgactg	tgggaatggc	gatcattttc	tgcttagaga	gctgtcctct	3120
ggcattctgt	tctcatgaag	acccttttgg	aacctgcacc	tttgtcctgt	acctttgtgt	3180
gtcccaccct	cctcaggaca	tctccaggag	gtcaggtctc	cctctgcttc	ctgaagggtga	3240
aacatggggc	aagacggttt	cgctcccact	gcctttaaat	tattcctgct	aaagaaagtt	3300
aagttttaat	aggtttggt	acaattagaa	tgaatggcca	aatggctttt	tctaaaatac	3360
aaataataac	tttttttttt	tttttgagat	ggagtctggc	tctgtcacct	gggctggagt	3420
gcagtgccgc	tatctcagct	cactgcaatc	tctgcctcct	gggttcaaga	gattcttctg	3480
cctcagcctc	cagagtagct	gggattacag	gaacgcgcca	ccacgcctgg	ctaatttttg	3540
tattttttgg	agagacaggg	tttcaccatg	ttggccaggt	tgttctccaa	ctcccagcct	3600
caagtgcctt	gcctgcctcg	gcctcccaaa	gtgctaggat	tataggcgtg	agccaccgag	3660
cctggcccaa	ataataactt	tctatgactt	tatgtatttt	cttctaaagt	ttcaggcact	3720
tttccatctg	ttttttcatt	tttcttcaca	atcgtctctg	ttttgagaac	agttctcttt	3780
catttgcttg	ccttatacca	gtatgggctc	catgtgctct	gcacagccat	ttctttttgtg	3840
ttcctttttt	ttgctctaga	aggttaaaat	caattaaaat	gtgcaaaatt	gattttgttga	3900
tttgctttcc	taataaatta	gctttttgtt	ctgcatagga	attgcctatg	tttaattctc	3960
tatcatgtca	cagaaatgaa	agtaccacca	atttagcaa	tgtggtttta	aaagcattta	4020
tatgttaaat	agaaactaaa	tttatcatta	gttttagtcta	gattaatctg	tacctgtatt	4080
aaattaattg	atctgcagct	gttgcatcta	atctcagctg	tctgtagatt	aatgataatt	4140
tggaggccta	gcttccaaac	attattccta	aaataaacat	ttatctctct	aagccaaata	4200
tattaaaaat	gcagtttaag	aaacaatcag	agaaatccag	actggagggtc	attcaataag	4260
aaaaccagca	ctttggggagg	ccaaggcggg	cggatcacct	gaggtcggga	gttcgagacc	4320
agcctgacca	acatggagaa	accctgtgtc	tgctaaaaat	atataattag	ctgggcatgg	4380

tggcacacac	ctgtagtcac	agctacttgg	gaggctgagg	caggagaatc	acttgaacgc	4440
tggaggcaga	ggttgacagta	gctgagatcg	cgccattgca	ctccagcctg	ggcaacaaga	4500
gcaaaactct	gtctcaaaaa	aaaataaaat	aattcaatgt	tatgggaaaa	atgaatgata	4560
gggaattctt	ctaaattaaa	catgactagg	gacataacaa	ctaaatgtaa	agtgtgattg	4620
ttgattagat	tctgatccaa	acacaaatat	ctataactaa	cattctggag	acatttgaga	4680
aaatgttaat	atagactggg	tattggatgg	tattagggaa	tcagtgttaa	tttgggtagg	4740
catgataatg	tattgcggtt	atagaagcaa	atgtccttat	ttttaggaga	agctgactgt	4800
agtatcctga	cgtgtaccac	ttactttgaa	atggttctac	tggaaaaaaa	aaagtctgta	4860
tgtctgtgtg	tgtgtgcaca	tccataagtg	tatgtgtatg	tataatttgaa	acaaatatag	4920
caaactgcta	gcagttgttg	atccaagtgg	tggatatgtg	gatgtttgtt	gtactcttct	4980
ctccgttata	tttacaataa	aaatgttgga	aaataccacg	taggtaagaa	ctgagtgtt	5040
ccttcattga	gcaccaatct	cccattgtgc	tgtttcaatt	aaaggtcaac	cctaaggatc	5100
tggattctaa	gstatgcatac	atccaggtga	ctcacgtcat	ccccttcttt	gacgaaaaag	5160
agttgcaaga	aaggaaaaaca	gagtttgaga	gatccacaaa	catccgccgc	ttcatgtttg	5220
agatgccatt	tacgcagacc	gggaagaggc	agggcggggt	ggaagagcag	tgcaaacggc	5280
gcaccatcct	gacaggtatg	ggccccagaa	gccgcattgga	cacgagcccg	gacacctcgc	5340
caaagagctg	tccagaggga	ttcagaagct	tcaggactgg	aagggctctt	cgagctcagt	5400
tagccacccc	cacacccatt	tcagtttcac	atttatctag	tgtctccttt	tgaatacttg	5460
ggatgttttt	ctgttgatct	gttggcactt	ccttcttcca	caagaccaga	agctcatatc	5520
caatctaagg	tcacttacct	ttctgagaat	ctgatgaaaa	tggcgtgcct	tatgtgccta	5580
gatgcttttg	cacacagtct	aagggtgact	atggactcca	ggtccagcag	ccacaccag	5640
tcttgggtct	ccgcacaggg	agggaccgt	ctcacacacc	tgtctcaggt	tctagcatgg	5700
cctgtctcagc	ggtctcaggc	tgtgagtaaa	tgggatgtga	gcttggatcg	ccccacgtg	5760
ttgcccccg	gggctggcca	gctgccactt	gaatgcctcc	tctgccagga	agctcactgc	5820
attcagtggc	tatccacgag	ttcagcttag	gcagttttca	ctgatccctt	tggcactgtt	5880
tagccagtga	taaccactc	tgggaaatgt	gttttgcata	atttcccggg	ccctggcaag	5940
tgtctagtca	tcttgggggtg	atttttacct	tctgtggggag	agcttgacct	atccctgcct	6000
cattagggtc	agcgacatca	ctggggtaac	ctaacataaa	atgctttctt	gaccaagaaa	6060
tatcagtggtg	agggcgttg	agaatgccag	gtgtgccagc	tttcaccaca	cgtcttccaa	6120
agagtggccc	tagttaagtc	agaccaggaa	agggcctgct	ccccggaagt	tgggggttgtt	6180
gagtttctgt	ctgggtaata	atacacacta	tcataataag	cggaaggagc	gctgtggaga	6240
tgctgcaccc	aggtgcttat	cagctctcac	cggcgaagcg	tatgctttta	aaagagagac	6300
tggatggcgt	ggggtttata	tctcagtaaa	gctgttacaa	aaaaaaaaaa	aaatacaggt	6360
ttttatgaat	tagcccagga	cagcgtattg	cagggagctt	ttcacactcc	ctatgaggga	6420
aaagagatac	aagttaaaac	aaaactgtgt	tcttaaagtg	tccctaatac	tgtttgtaaa	6480
ataagaagac	agcatatata	aagcacaaat	aatattgtcc	tcacaaacat	cacccccacc	6540
caaataattt	aattattttt	ttaatgcaca	catcagtagc	aaattctcat	taagccaaat	6600
aactgcgctt	ccagatggaa	tcactttatg	ggaatcacca	gcttacagtg	tttatggttc	6660
agctgtgata	actttccttc	tgacccttta	agtcagtggg	tacccaaggt	tgggtccagga	6720
ccagcagcat	cagcaccccc	agggaaactt	ttagagatgg	aagttccagg	tccccacctc	6780
cgaaactgct	ggatcagaaa	ctctgggggc	ggggcccagc	tctttgtgtt	caacaggccc	6840
tcccgggttat	cctggtgcat	gctcagatta	gagaactgct	gcctttaata	aacctagttc	6900
actgctgagt	cagggtcagg	attttttagt	atggttattg	ttaaggcagt	gtacggattc	6960
ataaacattc	attaccatag	gctgttttcc	cagggcacat	ttctccaggg	ttacaggtca	7020
tcattttgtt	agagactact	ttagattaga	taaagcacat	gagcaatgct	ctgtatctgc	7080
gggaacaagg	ggacagagag	tgcgcttcag	agagaggtgg	ggcagacacc	tgtgttgttg	7140
gcttggggat	tgccgtccac	agctgtgggt	tgagacagcc	taagcaatgg	cgaggctgtc	7200
ctgggggtcc	tgtaggcctg	ggtcacagcc	tcactgtgtg	accttgggca	ggtcactctt	7260
cctctctatg	ccttagtttc	ctcatctgta	aaatgcaagt	taggacactt	atctcattat	7320
attgtcataa	ctttgtaaat	agtaagaagc	aagggaaaga	gcgttcttca	ttttttgcta	7380
gatttcatcc	gctgttgagc	tagatacaca	caccagggcg	ttctgaaggc	tagacctgag	7440
ggttttccct	caagttatca	acccctcagg	ttcttcttcc	attgcattgc	tttgtacctc	7500
acctttggcc	ttccaaaggt	caaaggagc	ccaggccttc	cctgccctct	acaccaggaa	7560
aaggctcacc	tttctgggta	gttcccagtc	agctgactgt	aactgtgcaa	tcatttgaaa	7620
aacctcatga	tcaccttcca	gcctccttca	gtggaaatct	ctgagcctgt	cccaaagaag	7680
gggggagagg	agaagcctcc	tccacttctt	tcatggaaact	tttgccaaag	agtttcttcc	7740
cagtcactat	tccagagtct	tccaaacctg	gattagcttc	cggccctcca	ctttctattc	7800
aagacacaca	gaccagcagt	caccatactt	atcactgggc	cttccccgtc	ctcctttcta	7860
aagggtctgg	tcagtcgggc	acctaattgt	ccaccttcca	gagccagttt	ggactctcat	7920
gcagccattt	gggcagtaat	gcattcatte	attcaacaaa	atgtattgca	cactgaccat	7980
gttcccattg	gcaggctaata	gaaacagaca	tctgtggggc	tgtgcagctg	gcattcttagc	8040

cagaggagac	agatgataaa	cagtaccag	atgagtaa	ataaccgtgg	tagaacgtga	8100
tctgtgttcc	agacaaagca	aaaggagact	gggaacctgg	agttgacctc	cttccctcaga	8160
aacaggaagg	cagccccact	cttcccctga	agcacagccc	cctgtccaaa	tacaagcagg	8220
catctgccag	cactgcctcc	ctgactaggg	agcagcgagg	ccgagtcctc	accatccctac	8280
cagggagcct	tgtggatccc	cagtgtctacc	acttaaaatc	tgtgaaacca	agtcgggaac	8340
ccttcacctt	tactgataa	aacattgtga	aaaggcaaca	ggcctataag	tacgtgacat	8400
atgagggtgc	ctcaggggtg	acatgttttc	cgcttttgtc	cagatgttgg	gtggcccatc	8460
ggaactctgt	gtttcacagg	ggctgggcct	gtttcccatc	ctgtgatgag	tccttcccaa	8520
ttgaactctt	ccctagccag	ttgctaacta	gagaccagga	ccactcccat	ctgacgtttg	8580
cctgttcaaa	aaaaataata	agctttttaag	tacatatcta	cctgcctatt	agtaaataata	8640
tgtcaagtga	gaatattata	gatatttcta	tattatatag	agcaataaga	aatgtgaaat	8700
agtaaatgag	aacctgtgtg	ttttctgttc	atttttaaat	taactccttt	gtgttgatgt	8760
ttagggtatct	cattatgata	aaggaaaaca	atattaatca	gatttttttg	gttaaaaaat	8820
atataagaaa	aagtaaatat	ttttattttt	atttcttatt	cattgctgta	agtttcaaaa	8880
taccttttatt	agcactacag	ctccaaaagt	ttgtgaattt	ctgggtcatg	aaatcctttg	8940
cttaggagta	tattctttgt	gttttttttg	tttgggtttt	aggggaatgg	tttttgtttt	9000
cttttttgag	acaggggtctc	actctgtagc	ccaggctgga	gtgcagtggc	acaatcacag	9060
ctcactgcag	ctttgacctc	ctgggctcaa	gcctcccgtg	tcagcctccc	cagtagctgg	9120
gactacaggc	atataccacc	acactcagct	aattttttgt	atttttttaca	aaattacaaa	9180
aatagggttt	ttgccatggt	gccagggtg	gtcttaaaact	cctgggctca	agtgatctac	9240
cagccttggc	ctcccaaagt	gctaagatta	cagggtgtgag	cactgtaccc	accctaggaa	9300
tatatcttta	cttattattt	tctactgatt	tctcagcttt	gtgcaagctt	agcatgtgat	9360
tcaaagttat	tctatggaca	aaaatgaatt	ttctcaagga	tattttttatg	gaactatttt	9420
ctggacttaa	tctgttatgt	agtatctcaa	aattgttttag	tctttttttat	gttgtcaaag	9480
tcatcttata	tccactaaact	cattcaaacc	tcagagcttc	caaggaaggt	ttgagtgggg	9540
aatgataacc	tcattttattt	aaagacacgc	ttgtcacatt	aaaaggataa	caaggaccca	9600
actctcttga	ctttacgaga	cacacgattg	taaaggaaga	caatatttcta	gctccatcaa	9660
gtactagtat	gtgtcttttg	caagcttttg	gttccttatt	ttaaaaatgt	aagtaataat	9720
gacatgtata	ataatcactt	ctaataataa	tcagctcaat	aacactaaag	ctcgtgcaag	9780
ccatgcagta	attctggggc	ttacctctg	cagccataca	ctgcttcctc	tatgtgaaga	9840
agcgcatccc	tgtcatgtac	cagcaccaca	ctgacctgaa	ccccatcgag	gtggccattg	9900
acgagatgag	taagaagggtg	gcgagagctcc	ggcagctgtg	ctcctcggcc	gagggtggaca	9960
tgatcaaact	gcagctcaaa	ctccagggca	gcgtgagtgt	tcaggtgagc	caggcacagc	10020
aggccggagg	gcagcagggg	acgtccttgc	ccctgggtga	cttgagagtc	gtttccacta	10080
acaagggtcta	cttgagagcc	tcgggtttacc	aagtgatccc	tgctcccttc	ccccaacgtc	10140
tgtgacattt	ctcctgatat	cagaggggga	ggaaacctca	tgatccctgc	ccccgcctcc	10200
atgaggactg	actgtgggga	caagagccag	atctcataga	ctaccctgat	ttgtcagtat	10260
ttggggaatt	ctgggtgcct	gattagaagc	atcaagactc	ttctaataac	aaagaagtgt	10320
ggagagcagt	agattttcct	ataaaaactgt	tgtttgctgt	tttctatgaa	aattgtatcc	10380
aaaaaagtac	cttaagtttt	acctctttaa	tggtatcttt	tgattaatatga	attcattatt	10440
ttaatatagc	ccaatcaatc	aatttttctt	tattggtagc	attttttatgt	tctctttaag	10500
aaatctgtgt	ctactccaaa	atttcacaga	tgttctccta	ggttttcctc	ctttgctcag	10560
catccacatc	caggtctgca	gtccatctgg	aattgatttt	tgtatatgtt	atagtgtaa	10620
ggtcaggata	tattttttcc	atatgacctt	ccaagtgata	tacacaattt	attgaaaaga	10680
tcatctttga	tctagatact	aacatatatg	ttcagtttgt	gaaaattcat	caagctgtat	10740
acacttgtga	tatatgcgct	ttcccgtttg	tatatataac	tttagtaaga	ggttttttaa	10800
aagttatctt	acttacatgg	tttcctagtt	aattggtaag	tgttaaatca	ctccctccag	10860
taacaagtat	gactcttatt	ttctgggtatt	tttaagtgtg	tatagttcaa	gcacatgttt	10920
gttcatatgt	atatgtacat	gtgtgtatat	atgtatttgt	atatacctatt	gttttatctt	10980
tcaagaaggg	tatgtttatg	aaagttacat	gtggattata	atacataggt	tttgggtttt	11040
ttgggttcatt	ttctgaaatt	atattttgtc	aacttcccat	cagatccacg	ctaaagaacc	11100
gtgagtttgt	gccaacattt	tttgtgtcat	tcaccacaaa	agcatttaca	gatgttttta	11160
atctctttcc	ttatagtctc	aaagacatat	gtgccaaaat	aagtttagcaa	gtgaacataa	11220
gtattccagc	aacatgagtg	attatgtaac	agggtccagag	gccacaattt	tctgtagcta	11280
aaaacaaaac	cactcaatca	acatgatctt	ggaacatcca	gcccctatgg	aaaggccgct	11340
ggaggggtgt	ggcaccagtc	cagggtaggg	ctggaccatt	gagctttgta	aaaggcaaaa	11400
tatgccctgc	taattttgatg	gtaaaacttag	cgttttataa	aattccagct	catcttaaaa	11460
agcaagaaat	tccatgttga	aatgagaaga	tttaagtttat	actcatacct	accaaagtaa	11520
caacaaagtt	gcagccagag	gaaattaact	ttatcatttt	atttgcgtat	ttctgttaatt	11580
gtttcatcaa	gcagctcact	ggcgtctcag	ctttactggg	cagagccgtc	tgccggagctt	11640
cttgtcattg	cactccaaga	tcttgctatt	agaccttatg	gagttctcatc	agccttccctc	11700



tttctatctt	cttcaaatat	agaccgtctt	gtatcatttt	agatgatcag	tcattttgtg	11760
atgaatacag	ttccccccac	gcaccagcct	ggtgctgagt	tccaccctca	acgcaccttg	11820
ggctgttcac	ccattgcccc	cggtctcagag	gtccccctct	gaccactgtg	gctggaacct	11880
ggaaccctcc	tgtctctcca	cgtctggtgt	gagttcctgt	ggctcagttt	tcctgccatt	11940
gctagacaag	tcctgcctac	catgggtcag	aaccacacac	ggagagctcc	cctaattcct	12000
tgctaagctc	accagacctt	ccgggaaata	tcaagcagtg	accacatagt	cacgttcttc	12060
cccaggctgt	ctcagacgcc	tggaaacattc	ttcttcccat	cccagtggtg	ccagccttct	12120
ttctcaccac	gttctttacct	ttccttactt	atccagaatc	agcagaccct	tcttagctgc	12180
ttgcaagggt	ggtgcagggt	tctggttcac	tcaccgtgct	gtctgctcct	aacatctagc	12240
tctccagcac	actgcaaacg	ctcacttcat	cccaggatag	caaatcagtt	tgcccatggc	12300
tgtctataca	attcaatgaa	atgaacagtt	gggttttaaa	aactggaata	gttactgcat	12360
ttttcaattt	ttcactgaat	tcaccagatt	ggcctgttag	ttcagtgtag	tgcagcagaa	12420
atcccagtg	ctaaacacct	tggaaagtaag	aatccttgac	ctggatttgg	aagacctggg	12480
ctgtgatctc	tggcggtttt	cttattggct	cttcaaactt	caacaggccc	ctaagttttc	12540
caagcattgg	tttcttctta	cataaagtaa	accatcatca	caagtgcctt	gaagatggct	12600
gagatcatgg	aatcaagtgg	tgtgcaacag	agtgaagctt	gtgggttctt	tttgggctta	12660
agttcctgga	aggcagggat	tgtgagtagc	tcacgcgaac	gggcttttta	gtgcctgcaa	12720
actgaaactg	agcagatggt	catggtgatt	ttcttcctag	tggaaactgaa	aatctttgtt	12780
ctttgtctag	gtcaatgctg	gcccactagc	atatgcgcga	gctttcttag	atgatacaaa	12840
cacaaagcga	tatcctgaca	ataaagtga	gctgcttaag	gaagttttca	ggtaaagcac	12900
actgaaagca	tctttttctc	ttcgagtatt	gatcatttct	gtactcattc	gggagggaga	12960
tgtctgtggt	tggactcatg	ccttatcctc	tgcgtgcctt	tgtttctccc	gcctgtacca	13020
ttccaggcaa	tttgtggaag	cttgcggtca	agccttagcg	gtaaacgaac	gtctgattaa	13080
agaagaccag	ctcgagtatc	aggaagaaat	gaaagccaac	tacagggaaa	tggcgaagga	13140
gctttctgaa	atcatgcatg	agcagggtgag	ggccgcactg	gctccaacaa	cttggaagttc	13200
ttgggttaggg	gtttcaagta	caccctatca	tgacttaggc	cgcctgatat	ccttccagaa	13260
ctgtgacatc	tgaaggagaa	tgtagcatat	cacactcctg	ccatgctcta	gccccaggte	13320
atttgggaac	agctaacaga	ttgcccata	gctgttatct	acggcaagca	ggggagagcg	13380
ggcccgcctc	ctcgtggctc	taagaggngg	ccatgtttcc	taagctttct	ctctccccac	13440
ccccgtctag	ccaaaaagaa	aagaaaggaa	aaactcacac	taaaatatcc	atactgttct	13500
gacaacttta	ttcctttaat	cctttgaaaa	aagcaggact	tgccaacctg	gtttaaggaa	13560
ttatctgttg	cattcaatgt	ttttgctgtt	taaaaataca	gactgattcc	atttttgacg	13620
atgtacagtg	ggccttggcg	ccccagtgga	ttcttccttt	aagttccttg	tcactatggg	13680
catcttccct	gattattttg	ctgttatctc	tttctgtgtg	gtttgttcag	taggattcta	13740
tgtgtgggct	cagttgtcac	agaggagaca	gtgtcccata	cccacaaaaa	aactagagca	13800
gcatcaaant	atttaatttg	tgaggggtct	gtctcagtca	ctgtcctttc	tttataattg	13860
acattagcac	cttgataaca	cagaacttgt	ctgtctggcc	cctccattat	cgctcctcag	13920
tctggcacag	tggaagccag	ggccgttctg	ggagtgatcc	tatcccctga	cagtttagtt	13980
agtacatttt	cattgcagga	aacgaacgtc	angttgttag	ctttaactca	cttgcttttt	14040
ttctcctcca	tgctaacacg	ttcagctggg	atggtaaatgt	cattttttaa	cattattttt	14100
ctgataatct	gacttagaaa	aagctattac	ttttttgagt	ttgagcaact	acagacattg	14160
gcataatgac	agtacatggg	cagaggaaag	caccctcttc	tggacatttt	aaaaagtaga	14220
ggccagacat	ggtggctcac	tcctgtaatc	ccagcacttt	gggaggccaa	gatgggtgga	14280
tcactctgag	tcaggagtte	gagaccagcc	tggccaacat	ggtgaaaccc	catctctact	14340
aaaaaatata	aaaattagct	gggtgtagtg	gcacataccc	tagtctcagc	tactcgggag	14400
gctgaggcag	gagaatttgt	ggaacccagg	aggtggaggc	tgcaagtgagc	caagatcatg	14460
ccactaccct	ctagcctggg	ccacagagcg	agactccatc	tcaaaaaaaaa	aaaaaagtag	14520
aaaaaaattg	aaacgattag	agaaatgaat	gtctgaataa	ttaagcagaa	caggagggac	14580
tcatgggaac	cgatttttcag	agaaaaactt	agatcttttc	tgtggagcct	ccagattcct	14640
atagaatgga	gagtttggtc	agtgggtgcc	gacattgggc	actagagaag	atgaaagtag	14700
taagagatct	taggctgaaa	ctgttaaact	cccaaagtac	agggatattt	aatgcacttg	14760
ctgtcagctg	caccttgaac	ttcccattat	gccaacagct	gtgaagactg	agccccctg	14820
aacccttgaa	gggcccgtgg	gggggtagac	ttgctttcga	tgtttccagg	ggagcctctg	14880
ctggaggtga	agacctacac	tcagatcctt	ccaggcacca	ctgggcatgg	aaagatactt	14940
gttcagggtc	agaggagttag	ccacctcttc	ccaagacaaa	atccgtaaga	ccctgagaaa	15000
aggaggcagg	agagaaacac	aaatgcttca	aattcatttt	taaaggcttt	ttcaaggtca	15060
aggctaggtt	gtgtcccagt	caagcacatg	taagtagacc	tcacgttgcc	ttaaagtagac	15120
ctcacgttgc	cttatgatct	ggtgagcgta	gaaggctctc	cattcactag	ctttgtaaaa	15180
gaaacaaaat	gtgctgttct	tgactttctc	cttataatcc	tcacctgaaa	acagtcattt	15240
atgagataag	ctgaacatct	ccctctgtaa	accagcagcc	aggctttccg	gctgcacatc	15300
actcacgtga	tggagttagt	gtagacttgt	gtgtgtgatg	tggggtgcaa	cacattgaga	15360



catgctagct	tgcatttttt	tttactgttt	tgtgcacccat	tttctctctc	ttaattttacg	1800
tgagaaactt	taaaaaat	tcttttaaac	attaacccca	gttggaactt	ttaattttca	1860
acctttttca	cttcccatgc	aattctaagc	cttgtagtca	aacatgattg	gtgctaaaac	1920
agatgatgac	tggtgatatg	aaaatatatt	ctgatattga	gctacaggtc	tttaatat	1980
ttttctcatc	ggtaaagcaa	aatacaat	atacaagctt	tacctaactt	ttactaaact	2040
tactccagac	ccccaaacgc	ttcagttcat	gccataaaat	cctgtgtgca	tgggagccat	2100
caggagaagg	gaggcatgtc	cacttctgag	cctgcctgtc	gtgggctgct	catcattttc	2160
tagtgagttc	tgcttcttgg	gaaagtga	caggcctgac	tcccattaga	cttccctggg	2220
acagcttagt	cttgtatcca	aaatctttca	tttactcaa	cacttaatga	ctgcattctt	2280
gaataagttt	gcaatgttgt	gtttttcctt	tacctttgca	cctagacttc	atgttattag	2340
cattttcttt	ctcattcaga	aagccccatt	cagcaggatt	tttagacca	ttcctttttt	2400
tcccccttgt	aataaaagaa	cgcttcttag	gtggttaagc	ctgggcttac	gttcagggat	2460
agctctaatt	gtgctttatg	tcacagggat	tctttgaaga	tgaagatgga	aaggagtata	2520
tttacaagga	acccaaactc	acaccgctgt	cggaaatttc	tcagagactc	cttaaactgt	2580
actcggataa	atttggttct	gaaaatgtca	aaatgatata	ggattctggc	aaggatgac	2640
catgtttgga	taagtttcat	agcaatgtaa	tgttgtgatt	gattacatat	tatatatttt	2700
taaatgtata	tagaaaaaaa	cacaagaaaa	atattaagga	ttgttggccg	tgagtggcag	2760
gtgtattttc	ttcctgatac	cttttagtgct	ttccattaca	tgcttgacat	taaaaaatct	2820
ttatcgcta	atttttgaaa	catctaattt	tacaaaataa	ttaacgtctg	acaggatatg	2880
tcatttttag	tccagctatt	tagaaactct	gacagaaatg	ggcccgtggc	ttcgtactc	2940
actgcacctc	ttcctgcctg	tagcacatga	cttgccactc	tgctactgac	ggctggatgt	3000
aaggacaggt	gaacagatgg	gcggtatggg	gaatggacac	atggacaggc	caaggaaatg	3060
actcaccagc	agcgtgactg	tgggaatggc	gatcattttc	tgcttagaga	gctgtcctct	3120
ggcattctgt	tctcatgaag	acctttttgg	aacctgcacc	tttgtcctgt	acctttgtgt	3180
gtcccacct	cctcaggaca	tctccaggag	gtcaggcttc	cctctgcttc	ctgaagggtg	3240
aacatggggc	aagacgggtt	cactcccact	gcctttaaat	tattcctgct	aaagaaagtt	3300
aagttttaat	aggtttggat	acaattagaa	tgaatggcca	aatggccttt	tctaaaatac	3360
aaataataac	tttttttttt	tttttgagat	ggagtctggc	tctgtcacct	gggctggagt	3420
gcagtggcgc	tatctcagct	cactgcaatc	tctgcctctc	gggttcaaga	gattctttgtg	3480
cctcagcctc	ccagtagtct	gggtattacag	gaacgcgcca	ccacgcctgg	ctaatttttg	3540
tatttttggg	agagacaggg	tttcaccatg	tttgcagggt	tgcttctcaa	ctcccgacct	3600
caagtgcact	gcctgcctcg	gcctcccaaa	gtgctaggat	tataggcggtg	agccaccgag	3660
cctggcccaa	ataataactt	tctatgactt	tatgtatttt	cttctaaagt	ttcaggcact	3720
tttccatctg	ttttttcatt	tttcttcaca	atcgctctctg	ttttgagaac	agttctcttt	3780
catttgctcg	cettatacca	gtatggtctc	catgtgctct	gcacagccat	ttcttttgtg	3840
tcccttttta	ttgctctaga	aggttaaata	caattaaaat	gtgcaaaat	gattttgttg	3900
tttgtcttcc	taataaatta	gcttttgttt	ctgcatagga	attgcctatg	tttaattctc	3960
tatcatgtca	cagaaatgaa	agtaccacca	attctagcaa	tgtgggttta	aaagcattta	4020
tatgttaaat	agaaactaaa	tttatcatta	gattagtcta	gattaatctg	tacctgtatt	4080
aaattaattg	atctgcagct	gttgcatcta	atctcagctg	tctgtagatt	aatgataatt	4140
tggaggccta	gcttccaaac	attattccta	aaataaacat	ttatctctct	aagccaaata	4200
tattaaaaat	gcagtttaag	aaacaatcag	agaaatccag	actggagggtc	attcaataag	4260
aaaaccagca	ctttgggagg	ccaaggcggg	cggatcacct	gaggtcggga	gttcgagacc	4320
agcctgacca	acatggagaa	accctgtgtc	tgctaaaaat	atataattag	ctgggcatgg	4380
tggcacacac	ctgtagtcat	agctacttgg	gaggctgagg	caggagaatc	acttgaacgc	4440
tggaggcaga	ggttgtagta	gctgagatcg	cgccattgca	ctccagcctg	ggcaacaaga	4500
gcaaaactct	gtctcaaaaa	aaaataaaat	aattcaatgt	tatgggaaaa	atgaatgata	4560
gggaattctt	ctaaattaaa	catgactagg	gacataacaa	ctaaatgtaa	agtgtgattg	4620
ttgattagat	tctgatccaa	acacaaatat	ctataactaa	cattctggag	acatttgaga	4680
aaatgttaat	atagactggg	tattggatgg	tattagggaa	tcagtgttaa	tttgggtagg	4740
catgataatg	tattgcgggt	atagaagcaa	atgtccttat	ttttaggaga	agctgactgt	4800
agtatcctga	cgtgtaccac	ttactttgaa	atggttctac	tggaaaaaaa	aaagtctgta	4860
tgtctgtgtg	tgtgtgcaca	tccataagtg	tatgtgtatg	tatatttgaa	acaaatatag	4920
caaactgcta	gcagttgttg	atccaaagtg	tggatatgtg	gatgtttgtt	gtactcttct	4980
ctccgttata	tttacaataa	aaatgttgga	aaataccacg	taggtaagaa	ctgagtgtat	5040
ccttcattga	gcaccaatct	cccattgtgc	tgtttcaatt	aaaggtcaac	cctaaggatc	5100
tggattctaa	atccagatc	atccaggtga	ctcacgtcat	ccccttcttt	gacgaaaaag	5160
agttgcaaga	aaggaaaaca	gagtttgaga	gatcccacaa	catccgcgcg	ttcatgtttg	5220
agatgccatt	tacgcagacc	gggaagaggc	agggcggggt	ggaagagcag	tgcaaacggc	5280
gcaccatcct	gacaggtatg	ggccccagaa	gccgcatgga	cacgagcccg	gacacctcgc	5340
caaagagctg	tccagaggga	ttcagaagct	tcaggactgg	aagggtcttt	cgagctcagt	5400

tagccacccc	cacaccatt	tcagtttcac	atttatctag	tgcttccttt	tgaatacttg	5460
ggatgttttt	ctgttgatct	gttgacactt	ccttcctcca	caagaccaga	agctcatatc	5520
caatctaagg	tcacttaccc	ttctgagaat	ctgatgaaaa	tggcgtgcct	tatgtgccta	5580
gatgcttttt	cacacagtct	aaggtgactt	atggactcca	ggtccagcag	ccacaccag	5640
tcctgggtct	ccgcacaggg	agggaccctg	ctcacacacc	tgtctcaggt	tctagcatgg	5700
cctgtctcagc	ggtctcaggg	tgtgagtaaa	tgggagtgtg	gcttggatcg	ccccacgctg	5760
ttgccccggg	gggctggcca	gctgccactt	gaatgcctcc	tctgccagga	agctcactgc	5820
attcagtggc	tatccacgag	ttcagcttag	gcagttttca	ctgatccctt	tggcactggt	5880
tagccagtga	taaccacctc	tgggaaatgt	gttttgcatc	atttcccggg	ccctggcaag	5940
tgtctagtca	tcctgggggtg	atttttacct	tctgtggggag	agcttgaccc	atccctgcct	6000
cattaggggtc	agcgacatca	ctggggtaac	ctaataaaa	atgctttctt	gaccaagaaa	6060
tatcagtggg	agggccgttg	agaatgccag	gtgtgccagc	tttcaccaca	cgtcttccaa	6120
agagtggccc	tagttaagtc	agaccaggaa	agggcctgct	ccccggaagt	tggggttggt	6180
gagttttctgt	ctgggtaata	atacacacta	tcataataag	cgggaaggagc	gctgtggaga	6240
tgctgcaccc	aggtgcttat	cagctctcac	cggcgaagcg	tatgctttaa	aaagagagac	6300
tggatggcgt	ggggtttata	tctcagtaaa	gtgtgtacaa	aaaaaaaaaa	aaaaatacac	6360
gttttttctg	attagcccag	gcacagctat	tgcaggagagc	ttttcacact	ccctatgagg	6420
gaaaagagat	acaagttaaa	acaaaactgt	gttcttaaaag	tgtccctaata	cctgcttgta	6480
aaataagaag	acagcatata	taaagcacia	ataatatgt	cctcacaaac	atcacccac	6540
cccaaataat	ttaattattt	ttttaatgca	cacatcagta	gcaaatcttc	attaagccaa	6600
ataactgcgc	ttccagatgg	aatcacttta	tgggaatcac	cagcttacag	tgtttatggt	6660
tcagctgtga	taactttcct	tctgaccctt	taagtcagt	gttaccacaag	gttgggtccag	6720
gaccagcagc	atcagcaccc	ccagggaact	tgttagagat	ggaagttcca	ggtccccacc	6780
tccgaaactg	ctggatcaga	aactctgggg	gcggggccca	gctcctttgtg	ttcaacaggc	6840
ctccccggtt	atcctgggtg	atgctcagat	tagagaactg	ctgcctttaa	taaacctagt	6900
tcactgctga	gtcagggtca	ggatttttta	gtatggttat	tgtaaaggca	gtgtacggat	6960
tcataaacat	tcattaccat	aggctgtttt	cccagggcac	atttctccag	ggttacagg	7020
catcattttg	ttagagacta	ctttagatta	gataaagcac	atgagcaatg	ctctgtatct	7080
gcgggaacaa	ggggacagag	agtgcgcttc	agagagaggt	ggggcagaca	cctgtgttgt	7140
tggcctgggg	attgccgtcc	acagctgtgg	ggtgagacag	cctaagcaat	ggcgaggctg	7200
tcctgggggt	cctgtaggcc	tgggtcacag	cctcattgtg	tgaccttggg	caggtcactc	7260
ttcctctcta	tgcttatgtt	tcctcatctg	taaaatgcaa	gttaggacac	ttatctcatt	7320
atatgttcat	aactttgtaa	atagtaagaa	gcaagggaaa	gagcgttctt	cattttttgc	7380
tagatttcat	ccgtgtgtga	ctagatata	cacaccagg	cgcttgaag	gctagacctg	7440
agggtttttc	ctcaagttat	caaccctca	ggttcttctt	ccattgcatt	gctttgtacc	7500
taaccttttg	ccttccaaag	gtcaaaggga	gcccaggcct	tccttgcctt	ctacaccagg	7560
aaaaggctca	cctttctggg	tagttcccag	tcagctgact	gtaactgtgc	aatcatttga	7620
aaaacctcat	gatcacccct	cagcctcctt	cagtggaaat	ttctgagcct	gtcccaaaga	7680
agggggggcga	ggagaagcct	cctccacttc	tttcatggaa	cttttgccaa	ggagtttctt	7740
cccagtcact	attccagagt	cttccaaacc	tggattagct	tccggccctc	cactttctat	7800
tcaagacaca	cagaccagca	gtcacctaac	ttatcactg	gccttccccg	tcctccttct	7860
taaaggcctg	gctcagtcgg	tcacataat	gtccaccttc	cagagccagt	ttggactctc	7920
atgcagccat	ttgggcagta	atgcattcat	tcatccaaca	aaatgtattg	cacactgacc	7980
atgttcccat	tggcaggcta	atgaaacaga	catctgtggg	cctgtgcagc	tggcattcta	8040
gccagaggag	acagatgata	aacagtacc	agatgagtaa	atataaccgt	ggtagaacgt	8100
gatctgtgtt	ccagacaaa	caaaaggaga	ctgggaacct	ggagttgacc	tccttctcta	8160
gaaacaggaa	ggcagcccca	ctcttccctt	gaagcacagc	ccctgtcca	aatacaagca	8220
ggcatctgcc	agcactgcct	ccctgactag	ggagcagcga	ggccgagtc	tcaccatcct	8280
accagggagc	tttgtggatc	cccagtgtta	ccacttaaaa	tctgtgaaac	caagtcggga	8340
acccttcacc	tttctagtat	aaaacattgt	gaaaaggcaa	caggccctata	agtacgtgac	8400
atatgaggtt	gcctcagggt	ggacatgttt	tcctgttttg	tccagatgtt	gggtggccca	8460
tcggaactct	gtgtttcaca	ggggctgggc	ctgtttccca	tctgtgatg	agtccttccc	8520
aattgaaact	ttccctagcc	agttgtctaac	tagagaccag	gaccactccc	atctgacgtt	8580
tgcttgttca	aaaaaaataa	taagctttta	agtacatata	tacctgccta	ttagtaaata	8640
tatgtcaagt	gagaatatta	tagatatttc	tatatattat	agagcaataa	gaaatgtgaa	8700
atagtaaagt	agaacctgct	gtttttctgt	tcatttttaa	attaactcct	ttgtgtgat	8760
gttttaggtat	ctcattatga	taaaggaaaa	caatatatta	cagatttttt	tgggttaaaaa	8820
atatataaga	aaaagtaaat	attttttatt	ttattttcta	ttcattgtctg	taagtttcaa	8880</

agctcactgc	agctttgacc	tcctgggctc	aagcctcctg	tgtcagcctc	cccagtagct	9120
gggactacag	gcataatacca	ccacactcag	ctaatttttt	gtatttttta	caaaattaca	9180
aaaattaggt	ttttgccatg	ttgcccaggc	tggtcttaaa	ctcctgggct	caagtgatct	9240
accagccttg	gcctcccaaa	gtgctaagat	tacagggtgtg	agcactgtac	ccaccctagg	9300
aatatattct	tacttattat	tttctactga	tttctcagct	ttgtgcaagc	ttagcatgtg	9360
attcaaagtt	attctatgga	caaaaatgaa	ttttctcaag	gatattttta	tggaactatt	9420
ttctggactt	aatctgttat	gtagtatctc	aaaattgttt	agtctttttt	atggtgtcaa	9480
agtcactctta	tatccactaa	ctcattcaaa	cctcagagct	tccaaggaag	gtttgagtgg	9540
ggaatgataa	cctcatttat	ttaaagacac	gcttgtcaca	ttaaaggat	aacaaggacc	9600
caactctctt	gactttacga	gacacacgat	tgtaaaggaa	gacaatatcc	tagctccatc	9660
aagtactagt	atgtgtcttt	ggcaagcttt	gggttcctta	ttttaaaaaa	gtaagtaata	9720
atgacatgta	taataatcac	ttctaataat	aatcagctca	ataacactaa	agctcgtgca	9780
agccatgcag	taattctggg	gcttacccctc	tgtagccata	cactgcttcc	cttatgtgaa	9840
gaagcgcac	cctgtcatgt	accagcacca	cactgacctg	aaccccatcg	agggtggccat	9900
tgacgagatg	agtaagaagg	tggtcgagct	ccggcagctg	tgctcctcgg	ccgaggtgga	9960
catgatcaaa	ctgcagctca	aactccaggg	cagcgtgagt	gttcagggtga	gccaggcaca	10020
gcaggccgga	gggcagcagg	ggacgtcctt	gcccctgggt	gacttgagag	tcgtttccac	10080
taacaagggtc	tacttgagag	cctcggttta	ccaagtgatc	cctgctccct	tcccccaacg	10140
tctgtgacat	ttctcctgat	atcagagggg	gaggaaacct	catgatccct	gccccccgcc	10200
ccatgaggac	tgactgtggg	gacaagagcc	agatctcata	cactaccctg	atgtgtcagt	10260
atttggggaa	ttctgggtgc	ctgattagaa	gcataagac	tcttctaaat	acaaagaagt	10320
gtggagagca	gtagattttc	ctataaaaact	gttctttgct	gttttctatg	aaaattgtat	10380
ccaaaaaagt	accttaagtt	ttaccctctt	aatggtatct	tttgattaat	gaattcatta	10440
ttttaatata	gcccaatcaa	tcaatttttc	tttattggta	gcatttttat	gttctcttta	10500
agaaatctgt	gtctactcca	aaatttcaca	gatgttctcc	taggttttcc	tcctttgctc	10560
agcatccaca	tccagggtctg	cagtccatct	ggaattgatt	tttgtatatg	ttatagtgtg	10620
agggtcagga	tatatTTTTT	ccatatgacc	ttccaagtga	tatacacaat	ttattgaaaa	10680
gatcatcttt	gatctagata	ctaacaatata	tgttcagttt	gtgaaaattc	atcaagctgt	10740
atacacttgt	gatatatgcg	ctttcccggt	tgtatattat	acttttagtaa	gagggttttta	10800
aaaagttatc	ttacttacat	ggtttcctag	ttaattggta	agtgttaa	caactccctcc	10860
agtaacaagt	atgactctta	ttttctgcta	tttttaagt	tatatagttc	aagcacatgt	10920
ttgttcatat	gtatatgtac	atgtgtgtat	atatgtattt	gtatataccta	ttgttttatc	10980
tttcaagaag	ggtatgttta	tgaaagttac	atgtggatta	taatacatag	gttttggttt	11040
ttttgggtca	ttttctgaaa	ttatatTTTT	tcaacttccc	atcagatcca	cgctaaagaa	11100
ccgtgagttg	ttgcccacaa	tttttgtgtc	attcaccaca	aaagcattta	cagatgtttt	11160
taatctcttt	ccttatagtc	tcaaagacat	atgtgccaaa	ataagttagc	aagtgaacat	11220
aagtattcca	gcaacatgag	tgattatgta	acagggtccag	aggccacaa	tttctgtagc	11280
taaaaacaaa	accactcaat	caacatgac	ttggaacatc	cagcccctat	ggaaaggccg	11340
ctggaggggt	gtggcaccag	tccagggtag	ggctggacca	ttgagctttg	taaaaggcaa	11400
aatatgccct	gctaatttga	tggttaaactt	agcgttttat	aaaattccca	gtcatcttaa	11460
aaagcaagaa	attccatggt	gaaatgagaa	gattaagttt	atactcatac	ctaccaaaagt	11520
aacaacaaaag	ttgcagccag	aggaaattaa	ctttatcatt	ttatttgcgt	atttctgttaa	11580
ttgtttcatc	aagcagctca	ctggcgctgc	agctttactg	ggcagagccg	tctgaggagc	11640
ttcttgtcat	tgactccaa	gatcttgcta	ttagacctta	tggagtctca	tcagccttcc	11700
tctttctatc	ttcttcaaat	acagaccgtc	ttgtatcatt	ttagatgatc	agtcattttg	11760
gtcgtcttca	ggtgatgaat	acagttcccc	ccagccacca	gcctggtgct	gagttccacc	11820
ctcaacgcac	cttgggctgt	tcacccttg	ccccggctc	agagggtccc	ctctgaccac	11880
tgtggctgga	acctggaacc	ctcctgtgtc	tccagctctg	gtgtgagttc	ctgtggctca	11940
gttttctctg	cattgctaga	caagtccctg	ctaccatggg	tcagaaccac	acacggggag	12000
ctccccta	tccttgctaa	gctcaccaga	ccttcgggga	aatatcaagc	agtgaccaca	12060
tagtcacgtt	cttccccagg	ctgtctcaga	cgcttggaa	attcttcttc	ccatcccagt	12120
gtgtccagcc	ttcttttctca	ccacgttctt	acctttcctt	acttatccag	aatcagcaga	12180
cccttcttag	ctgcttgcaa	gggtgggtgca	gggttctggt	tcactcaccg	tgctgtctgc	12240
tcctaacatc	tagctctcca	gcacaccgca	aacgctcact	tcactccagg	atagcaaata	12300
agtttgccca	tggtgtgcta	tacaattcaa	tgaaatgaac	agttgggttt	caaaaactgg	12360
aatagttact	gcatttttca	atttttcaact	gaattcacc	gattggcctg	ttagttcagt	12420
gtagtgcagc	acaaatccca	gtgactaaac	accttggaag	taagaatcct	tgacctggat	12480
ttggaagacc	tggtgtgtga	tctctggcgt	tttgccttatt	ggctcttcaa	acttcaacag	12540
gcccctaagt	tttccaagca	ttgggtttctt	cttacataaa	gtaaaccatc	atcacaagtg	12600
ccctgaagat	ggctgagatc	atggaatcaa	gtgggtgtgca	acagagtggg	ctttgtgggt	12660
tctttttggg	cttaagttcc	tggaaggcag	ggattgtgag	tagctcacgc	gaacgggctt	12720

tttagtgcc	gcaaaactgaa	actgagcaga	tgggtcatggt	gatttttcttc	ctagtggaa	12780
tgaaaatctt	tgctctttgt	ctaggtcaat	gctggcccac	tagcatatgc	gcgagctttc	12840
ttagatgata	caaacacaaa	gcgatatcct	gacaataaag	tgaagctgct	taaggaagtt	12900
ttcaggtaaa	gcacactgaa	agcatctttt	tctcttcgag	tattgatcat	ttctgtactc	12960
attcgggagg	gagatgctgc	tgggttgact	catgccttat	cctctgcgtg	cctttgtttc	13020
tcccgcctgt	accattccag	gcaatttgtg	gaagcttgcg	gtcaagcctt	agcggtaaac	13080
gaacgtctga	ttaaagaaga	ccagctcgag	tatcaggaag	aaatgaaagc	caactacagg	13140
gaaatggcga	aggagctttc	tgaaatcatg	catgagcagg	tgagggccgc	actggctcca	13200
acaacttgga	gttcttgggt	aggggtttca	agtagaccct	atcatgactt	aggccgcctg	13260
atatacttcc	agaactgtga	catctgaagg	agaatgtagc	ataccacact	cctgccatgc	13320
tctagcccca	ggatcatttg	gaacagctaa	cagattgccc	atatgctggt	atctacggca	13380
agcaggggag	agcgggccc	cctcctcggt	gctctaagag	gtggccatgt	ttcctaagct	13440
ttctctctcc	ccacccccgt	ctagccaaaa	agaaaagaaa	ggaaaaactc	acacgaaaaa	13500
atccatactg	ttctgacaac	tttatctcct	taatcctttg	aaaaaagcag	gacttgccaa	13560
cctgggttaa	ggaattatct	gttgcatcca	atgtttttgc	tgtttaaaaa	tacagactga	13620
ttccattttt	gacgatgtac	agtgggcctt	ggcgcccag	tggattcttc	ccttaagttc	13680
cctgtcacta	tgggcatcct	ccctgattat	tttgcgtgta	tctctttcct	gtgggtttct	13740
tcagtaggat	tctatgtgtg	ggctcagttg	tcacagagga	gacagtgtcc	cataccagg	13800
gaatgcctag	agcagcatcc	acattgtttt	ttttgtgagg	ggtctgtctc	agtcactgtc	13860
ctttctttat	aattgacatt	agcaccttga	taacacagaa	ctgctctgtc	tggcccctcc	13920
attatcgtcc	ttcagcttgg	cacagtggaa	gccagggccg	tttgtggagt	gacccatccc	13980
cctgacagtt	tagtttagtac	attttcattg	caggaacaga	acgtcagttg	gtgagcttta	14040
actcacttgc	tttttttctc	ctccatgcta	acacgttcag	ctgggatggg	aatgtcattt	14100
ttaaacatta	tttttctgat	aatctgactt	agaaaaagct	attacttttt	tgagtttgag	14160
caactacaga	cattggcata	atgacagtac	atgggcagag	gaaagcacc	tcttctggac	14220
attttaaaaa	gtagaggcca	gacatgggtg	ctcactcctg	taatcccagc	actttgggag	14280
gccaagatgg	gtggatcatc	tgagggtcagg	agttcgagac	cagcctggcc	aacatgggtg	14340
aaccccatct	ctactaaaaa	atacaaaaat	tagctgggtg	tagtggcaca	taccctagtc	14400
tcagctactc	gggaggctga	ggcaggagaa	ttgctggaac	ccaggagggtg	gaggctgcag	14460
tgagccaaga	tcatgccact	accctctagc	ctgggcacac	gagcgagact	ccatctcaaa	14520
aaaaaaaaaa	agtagaaaaa	aattgaaacg	attagagaaa	tgaatgtctg	aataattaa	14580
cagaacagga	gggactcatg	ggaaccgatt	ttcagagaaa	acttgagatc	ttttctgtgg	14640
agcctccaga	ttcctataga	atggagagtt	tgggtcagtg	gtgccgacat	tgggcactag	14700
agaagatgaa	agtagtaaga	gatcataggc	tgaactgtt	aaactcccaa	agtacaggga	14760
tatttaaatgc	acttgctgtc	agctgcacct	tgaacttccc	attatgcca	cagctgtgaa	14820
gactgagccc	ccgtgaaccc	ctgaagggcc	gtggcggggg	tagacttgct	ttcgatgttt	14880
ccaggggagc	ctctgctgga	ggtgaagacc	tacactcaga	tccttccagg	caccactggg	14940
catggaaaga	tacttgttca	gggtcagagg	agtagccacc	ctctcccaag	acaaaatccg	15000
taagaccctg	agaaaaggag	gcaggagaga	aacacaaatg	cttcaaattc	atttttaaag	15060
gctttttcaa	gggtcaaggct	agggtgtgtc	ccagtcgaag	acatgtaagt	agacctcac	15120
ttgccttaag	tagacctcac	gttgcccttat	gatctggtga	gcgtagaagg	ctctccattc	15180
actagctttg	taaaagaaac	aaaatgtgct	gttcttgact	ttctccttat	aatcctcacc	15240
tgaaaacagt	catttatgag	ataagctgaa	catctccctc	tgtaaaccag	cagccaggct	15300
ttcgggctgc	acatcactca	cgtgatggag	tgagtgtaga	ccttggtgtg	tgatgtgggg	15360
tgcaacacat	tgagaaatat	ctgcttgcac	ccttatactc	agtaacattg	tggtgcacgt	15420
ggcaacattg	ccttaaaactc	tgtaacattt	tggtacactt	ggtaacattg	tgtaacacat	15480
ggcaacatgg	cattgcatat	ggtaaccttg	tggtgccttc	agtaacgttg	tggttctgtc	15540
ctcaagatct	gccccctgga	ggagaagaca	agcgtcttac	cgaattccct	tcacatcttc	15600
aacgccatca	gtgggactcc	aacaagcaca	atgggttcacg	ggatgaccag	ctcgtcttcg	15660
gtcgtgtgat	tacatctcat	ggcccggtgtg	tggggacttg	ccttggtcatt	tgcaaaactca	15720
ggatgctttc	caaagccaat	cactggggag	accgagcaca	gggaggacca	aggggaaggg	15780
gagagaaagg	aaataaagaa	caacgttatt	tcttaacaga	ccttctatag	gagttgtaag	15840
aagggtgcaca	tattttttta	aatctcactg	gcaatattca	aagttttcat	tgtgtcttaa	15900
caaagggtgtg	gtagacactc	ttgagctgga	ccttagatttt	attcttccct	gcagagtagt	15960
gttagaatag	atggcctaca	gaaaaaaaag	gttctgggat	ctacatggca	gggagggtg	16020
cactgacatt	gatgcctggg	ggaccttttg	cctcgaggct	gagctggaaa	atcttgaaaa	16080
tatttttttt	ttcctgtggc	acattcaggt	tgaatacaag	aactattttt	gtgactagtt	16140
tttgatgacc	taaggggaact	gaccattgta	atttttgtac	cagtgaacca	ggagattttag	16200
tgcttttata	ttcatttctc	tgcattttaag	aaaatatgaa	agcttaagga	attatgtgag	16260
cttaaaacta	gtcaagcagt	ttagaaccaa	aggcctatat	taataaccgc	aactatgctg	16320
aaaagtacaa	agtagtacag	tatatgtgta	tgtacatatc	attgttaata	cagtcctggc	16380



attctgtaca	tatatgtatt	acattttctac	atthtttaata	ctcacatggg	cttatgcatt	16440
aagtttaatt	gtgataaatt	tgtgctgttc	cagtatatgc	aatacacttt	aatgttttat	16500
tcttgtacat	aaaaatgtgc	aatatggaga	tgtatacagt	ctttactata	ttaggtttat	16560
aaacagtttt	aagaatttca	tccttttgcc	aaaatgggtg	agtatgtaat	tggtaaatca	16620
taaatcctgt	ggtgaatggg	ggtgtacttt	aaagctgtca	ccatgttata	ttttctttta	16680
agactttaat	ttagtaattt	tatatattggg	aaaataaagg	tttttaattt	tatttaactg	16740
gaatcactgc	cctgctgtaa	ttaaaccattc	tgtaccacat	ctgtattaaa	aagacattgc	16800
tgaccatt						16808

<210> 8828  
 <211> 1263  
 <212> DNA  
 <213> Homo sapiens

<400> 8828						
tggttaagtcc	atthtagcaag	atcacaggat	acaagattag	tatacaaaaa	ttaacttctt	60
cattcttata	ctatgggtttt	actgtatagt	tcatgattac	ttaatgtaat	ttttagaaac	120
aaataagctg	gatgatattt	aatctttattc	aaacaaagca	ctttccttta	aagtgatcat	180
caaaacttta	aaacagtgtc	atthacaata	gcataaaaaa	tatcgccatt	tatttcctat	240
ttagatatac	tgacattcat	ccatatgaaa	atatgcagg	cattagctta	ctataattta	300
cttttgactt	aatggggcat	aaataaaaact	ttcatagtac	acatgagggtg	gatatttgat	360
acacagaaca	tttgcggtgg	gctttctgtg	ggttagatgt	aaagcccaca	tattttaata	420
ttcactatth	taaatgagca	atgcatgagg	ggaatgcagt	gtcagtacct	ggcctatttt	480
taaactagt	taatcaccct	agtcatacca	ttcagtatgt	ttgcttttta	aaataagtaa	540
ccacaattaa	gttggtgtag	cccttgcaat	tcaagagatc	tagtctttac	tttcagttgt	600
ctggttaggtc	cattctgttt	actagacgga	tggttaataaa	aactatgcga	gcctgaatga	660
attctcagcc	aaatttagtc	ttgtctctca	tcttgattgg	attaattcca	aattctaaaa	720
tgattcagtc	cacaatagct	ctaggggatg	aagaatttgc	cttactttgc	ccagttccta	780
agactgtgag	ttgtcaaact	cctagactgt	aagctcttca	aggagcaaga	ggcgcattht	840
ctccgtgtca	tgtaattttt	ctaagggtgt	tggcagcact	ctgtaccctg	tggagtactc	900
agtacctttt	gtttgatgtt	gctgacaaga	cctgaaaaaa	aatcccttaa	aaaaaaaacc	960
cattaaagt	tagcaaaaacc	gaaaaaaa	aaaaaaaa	aatccctgtg	gtttgacaca	1020
aggatgggca	catatatcaa	tggaaacaaa	cagagagtc	agaaatggac	ccacacactt	1080
atgatcagtt	gatttttgac	agaggttcaa	aggcaatcca	atagagaaag	catagtctct	1140
catcgaatgg	tattgaaaca	attggatata	catatgcaaa	aaagaatatt	tatacttcat	1200
tagaaaataa	cccaaaatgg	gtcatagtct	aaaatgtaaa	atgtaaaact	ataaagcttc	1260
tgg						1263

<210> 8829  
 <211> 376  
 <212> DNA  
 <213> Homo sapiens

<400> 8829						
tggaagaga	taaagaggta	gcaaagggtc	gccacgaccc	accagaatcc	acagcccact	60
tatgcactca	tgacgccatt	gggacttacc	cagcatatcgt	ttgttccatg	tcgctgacat	120
cccagccggg	gctaataaac	cttaaggcaa	acatcagcat	gtctggggaga	agagcctggc	180
gctgagctgg	atcgtctagt	cataaatgcc	tcatccagaa	accataaaaac	tcaagtcacc	240
atgtagtaag	ataaatagaa	gtctagaaag	agcccatgtc	agataaagg	aagtttgaa	300
ggcgaccaag	ccttgcttat	gacaggagt	gagagaggag	ccatctctaa	gttgggaaca	360
tcctgcagg	aaacat					376

<210> 8830  
 <211> 1261  
 <212> DNA  
 <213> Homo sapiens

<400> 8830

tg	tt	aa	gt	cc	at	tt	ag	ca	ag	at	ca	ca	gg	at	aca	ag	at	tag	tata	ca	aaaa	taa	act	tt	ct	tt	60			
ca	tt	ct	tt	ta	ct	at	gg	tt	tt	act	gt	ta	tag	t	tc	at	g	at	ta	ca	ta	aa	ta	at	tt	ta	ga	aa	120	
aa	aa	ta	ag	ct	g	at	ga	ta	tt	aat	ct	ta	tt	c	aa	ca	aa	ag	ca	ct	tt	c	tt	ta	aa	gt	ga	tc	180	
ca	aa	act	tt	ta	aa	ca	gt	g	ct	att	t	ca	aa	ta	gc	ta	aaaa	aa	ta	tc	gc	cc	att	ta	tt	tt	c	ct	240	
tt	ag	at	ata	ta	c	tg	ac	att	ca	cc	at	at	g	aaa	at	at	gc	ag	gt	ca	tt	ag	ct	ta	ct	ata	at	tt	300	
ct	tt	tg	act	tt	aat	gg	gg	gc	at	aa	ata	aaa	act	tt	tc	at	ag	ta	c	ac	at	g	ag	gt	g	at	at	tt	360	
ac	ac	aga	aa	ca	tt	tg	cg	gt	gg	g	ct	tt	ct	gt	g	g	tt	ag	at	gt	aa	ag	ccc	ca	ta	tt	tt	ta	420	
tt	c	act	at	tt	t	aa	at	g	ag	ca	at	gc	at	g	ag	g	g	aa	t	gc	ag	t	ac	ct	gg	c	ta	tt	480	
t	aa	act	ag	tg	t	aa	t	c	ac	cc	at	gc	at	a	cc	at	ta	cc	tt	c	ag	t	at	gt	tt	g	ct	tt	540	
cc	ac	a	at	ta	g	tt	g	tt	g	t	g	t	g	t	a	g	at	c	cc	ct	t	g	c	act	tt	c	ag	tt	600	
ct	g	t	t	ag	gt	c	att	ct	g	tt	tt	act	ag	ac	g	g	a	ta	ta	aa	aa	ct	at	g	c	g	a	at	660	
att	ct	c	ag	cc	aa	at	tt	ag	tc	tt	gt	ct	ct	ca	tt	tt	g	at	tt	g	g	at	ta	tt	cc	aa	tt	ct	720	
tg	at	tc	ag	tc	ca	ca	at	ag	tc	ct	ag	gg	g	at	g	a	a	at	tt	g	c	t	t	ac	tt	g	c	ag	tt	780
ag	act	gt	g	ag	tt	gt	ca	aa	tc	cc	ta	g	act	gt	a	ag	ct	ct	tc	a	ag	g	a	ca	ag	g	g	c	g	840
ct	c	g	t	g	t	c	a	g	t	g	ct	ct	g	ct	ta	ag	g	t	g	ct	ct	g	ct	g	a	cc	ct	g	tg	900
ag	t	ac	ct	tt	tt	g	tt	t	g	at	g	tt	g	ct	g	a	ca	ag	a	aa	at	cc	ct	ta	aa	aa	aa	aa	aa	960
ca	tt	aa	ag	tg	tag	ca	aa	aa	cc	g	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	1020
g	at	g	gg	g	c	a	ca	aa	tc	g	ga	ca	aa	ac	a	g	ag	t	cc	ag	aa	at	gg	ac	cc	ac	ac	act	tt	1080
g	at	c	ag	tt	g	a	ca	g	ag	tt	ca	aa	g	g	ca	at	cc	aa	t	ag	ag	aa	ag	ca	tag	t	ct	ct	ca	1140
tc	g	aa	tg	g	ta	g	aa	ca	at	tg	g	at	a	ta	ca	ta	ta	ta	ta	ta	ta	ta	ta	ta	ta	ta	ta	ta	ta	1200
g	aa	aa	ta	aa	cc	ca	aa	at	gg	gt	ca	ta	gt	ct	aa	aa	gt	ta	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	1260
																														1261

<210> 8831  
 <211> 376  
 <212> DNA  
 <213> Homo sapiens

tg	gg	aa	g	ag	g	ta	g	ca	aa	g	g	tc	g	cc	ac	g	ac	cc	acc	aga	aat	cc	ac	ag	ccc	act	60			
ta	t	g	c	a	ct	ca	tg	a	c	g	cc	att	g	g	g	a	ct	t	acc	c	ag	c	a	tc	at	g	tc	g	t	120
ccc	ag	ccc	gg	g	g	ta	ata	aa	c	ct	ta	agg	caa	ac	at	c	ag	cat	gt	ct	g	gg	g	ag	a	g	ag	c	ct	180
g	ct	g	ag	ct	g	at	c	g	t	ct	ag	t	ca	ta	aa	t	g	cc	tc	at	cc	ag	aa	acc	ata	aa	a	c	a	240
at	g	t	a	g	t	a	g	t	a	g	at	g	at	g	at	g	at	g	at	g	at	g	at	g	at	g	at	g	at	300
gg	c	g	a	cc	a	ag	c	ct	t	g	ct	t	at	g	a	c	ag	g	ag	t	g	g	ag	g	cc	at	ct	ct	aa	360
tc	ct	g	c	ag	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	376

<210> 8832  
 <211> 376  
 <212> DNA  
 <213> Homo sapiens

tg	gg	aa	g	ag	g	ta	g	ca	aa	g	g	tc	g	cc	ac	g	ac	cc	acc	aga	aat	cc	ac	ag	ccc	act	60			
ta	t	g	c	a	ct	ca	tg	a	c	g	cc	att	g	g	g	a	ct	t	acc	c	ag	c	a	tc	at	g	tc	g	t	120
ccc	ag	ccc	gg	g	g	ta	ata	aa	c	ct	ta	agg	caa	ac	at	c	ag	cat	gt	ct	g	gg	g	ag	a	g	ag	c	ct	180
g	ct	g	ag	ct	g	at	c	g	t	ct	ag	t	ca	ta	aa	t	g	cc	tc	at	cc	ag	aa	acc	ata	aa	a	c	a	240
at	g	t	a	g	t	a	g	t	a	g	at	g	at	g	at	g	at	g	at	g	at	g	at	g	at	g	at	g	at	300
gg	c	g	a	cc	a	ag	c	ct	t	g	ct	t	at	g	a	c	ag	g	ag	t	g	g	ag	g	cc	at	ct	ct	aa	360
tc	ct	g	c	ag	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	376

<210> 8833  
 <211> 1263  
 <212> DNA  
 <213> Homo sapiens

tg	tt	aa	gt	cc	at	tt	ag	ca	ag	at	ca	ca	gg	at	aca	ag	at	tag	tata	ca	aaaa	taa	act	tt	ct	tt	60
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----	----	----	-----	------	----	------	-----	-----	----	----	----	----

cattcttata	ctatggtttt	actgtatagt	tcatgattac	ttaatgtaat	ttttagaaac	120
aaataagctg	gatgatattt	aatcttattc	aaacaaagca	ctttccttta	aagtgatcat	180
caaaacttta	aaacagtgtc	atttacaata	gcataaaaaa	tatcgccatt	tatttcctat	240
ttagatatac	tgacattcat	ccatatgaaa	atatgcaggt	cattagctta	ctataattta	300
cttttgactt	aatggggcat	aaataaaaact	ttcatagtac	acatgaggtg	gatattttgat	360
acacagaaca	tttgcggtgg	gcttttctgtg	ggtagatgt	aaagcccaca	tattttaata	420
ttcactattt	taaatgagca	atgcatgagg	ggaatgcagt	gtcagtacct	ggcctatttt	480
taaactagt	taatcacctt	agtcatacca	ttcagtatgt	ttgcttttta	aaataagtaa	540
ccacaattaa	gttggttag	cccttgcaact	tcaagagatc	tagtctttac	tttcagttgt	600
ctggttaggtc	cattctgttt	actagacgga	tgtaataaaa	aactatgcga	gcctgaatga	660
attctcagcc	aaatttagtc	ttgtctctca	tcttgattgg	attaattcca	aattctaaaa	720
tgattcagtc	cacaatagct	ctaggggatg	aagaatttgc	cttactttgc	ccagttccta	780
agactgtgag	ttgtcaaact	cctagactgt	aagctcttca	aggagcaaga	ggcgcatctt	840
ctccgtgtca	tgtaattttt	ctaaggtgct	tggcagcact	ctgtaccctg	tggagtactc	900
agtacctttt	gtttgatgtt	gctgacaaga	cctgaaaaaa	aatcccttaa	aaaaaaaaacc	960
cattaaagt	tagcaaaacc	gaaaaaaaaa	aaaaaaaaaa	aaatcctgtg	gtttgacaca	1020
aggatgggca	catatatcaa	tggaaacaaa	cagagagtcc	agaaatggac	ccacacactt	1080
atgatcagtt	gatttttgac	agaggttcaa	aggcaatcca	atagagaaag	catagtctct	1140
catcgaatgg	tattgaaaca	attggatata	catatgcaaa	aaagaatatt	tatacttcat	1200
tagaaaataa	cccaaaatgg	gtcatagtct	aaaatgtaaa	atgtaaaact	ataaagcttc	1260
tgg						1263

<210> 8834  
 <211> 18007  
 <212> DNA  
 <213> Homo sapiens

<400> 8834						
tcaaaaactt	tagtcgttat	aacaactgtg	actgttgaga	aatttcactg	ttttcctgca	60
ttcctggcgc	gggactctag	ccagaggctc	cgaggacttt	gtagcgactg	tcccaagcgt	120
ccagttcgat	gcttctcagg	gcggcttgct	ttaagggccc	acccctaaat	ttgggttgta	180
aaaatttttg	aggtaatgct	tgttcaagtt	cgcttaagt	ttcactcagc	ccaacacgcg	240
ggttgggctt	gaggttcggc	acccgggcag	cctcaccccc	cgcgtcaggc	gcgcgcacac	300
agtaggtccg	cgacccttag	ccctccacta	ggcagcccgc	ggggatgggt	ggccgggccc	360
cccacacggg	cagcaccggc	actgcgcagt	ctcggcgctg	cggcgcagg	ttccgcagct	420
gagggggcag	ctccgcggcg	gcgtccgggg	tctccagtag	ggctgacgt	ccggtgctcg	480
cacaatcccc	cgctcggct	ggcaacgggc	gtccctccac	tccccgagtc	cccggcagcc	540
gccgccccc	cagcgcgccc	cgatctggcc	ccctgcccc	cgaagatggc	tgccgtacgc	600
cgggcccgca	gttattgccc	ctgcctgggt	cgcttctccg	accgagaact	ctgctaagct	660
ccgctgcaga	gacaggcagg	agtagacacc	cggacaccca	gcacccctcc	tccgggggggc	720
ggtgcagagg	gggcacggag	agcccctcga	gcgcagcagg	ccgccccgcc	agcatggtaa	780
cctggccagg	gggctcgagg	gtggacgccg	cggggcgagg	gcgtggtgtg	cagagggggc	840
gggcctaggg	ctgggggtcg	gcggggactc	tggggaggag	tgggagcttc	acggctgcca	900
cccgttagag	ggccctggcc	tgagaaggag	tgcgtcgggg	ggcggggggg	gccaaccctg	960
gcttctcccc	aggattcctt	cctgctgagc	ctccccaaac	cccgcgagc	tcgatgtgag	1020
gaggagggtt	tgcaggacag	ccggggaaaa	tgtcccttct	cggtcactg	agtatattga	1080
accagtctcg	gtcctctcaa	gggattttat	cagaagcatt	gagcatagat	tgaggtaagc	1140
tgtcacagcg	cctgaattcg	ggagggagct	ctggcaagag	gagacacttg	ttgattgctc	1200
ttctgcggaa	aagccaggcc	caccgacagt	ccctgcgggc	accttgagga	gccctgggtg	1260
taggacgcat	ctgccccgcg	aggcgctcatt	ccctgggagg	atggtggcag	gcggtcctgg	1320
cggagtgggg	ttggagggtt	cgtctccgcg	gcgtcgggtg	cgtccaaatg	agagactgag	1380
ctaagttgca	gagcttgaca	gtgcagattc	catgagactg	ttccatattg	gaatacgtag	1440
tctctgccct	atgcctttct	ttggttttaga	ataaattgtt	catctgagaa	actaatctct	1500
ggctggggct	taaagaatca	gggatgcaat	aattccaaac	gatttaattt	atagtggact	1560
caaataattta	ttgcataaat	gaatggctga	atttattttt	attaaattaa	tctggaggat	1620
agaaaaggca	attgccccctg	cccctaaact	ttcagaagta	gttctctgac	cgggattaag	1680
tacttagcct	ttataatttta	ttaatcgcac	ctgtgaaaca	ggagtaacat	gatgaagaca	1740
tggactactc	atacacatga	gctattcaag	tgaagggtgat	atttaggtca	aactcgatta	1800
tgaaaaataa	aaggaaaacc	tccaggtggc	atctgaggcc	ctacttattt	caagtagtag	1860
ttgaattgac	caaatgtcaa	ctcagccgat	cccagatata	atagtttggt	tttgtgatca	1920

tactgtcaaa	atcaaagtaa	gaatgggttta	gagctccact	gtaacacagg	ggagaagaaa	1980
gatgctgtct	atattacact	tctcccattt	cctttccctca	tccttcagat	acacattatc	2040
cagatggcat	tttatttgtc	gattcagcca	atatttttga	gtacctatta	gcctggcata	2100
gtgtgagact	ctgggtacaa	actagatctt	caatataacc	aaacctgcaa	gggtgatttat	2160
gataaacctt	taatcacaga	atgtcacatg	aaaagggacc	tcagtagatc	accatacctc	2220
tttatagatg	tcccatagac	atgacagctg	aggcctagac	aggcctttac	tacaaatcaa	2280
gcaatgtgtt	tgaccttatg	gttacagagg	taactgagat	gtgttcctgt	cctggatgcc	2340
ttaaatctag	taaataaaac	agccaacctc	agtacaaatg	ttgtgataaa	agtaagcaca	2400
agtgttatgg	gaacacaaaa	atggtgaaaa	atgcttctga	ctaagatgaa	ccctgagctg	2460
aatcttgaag	aatgagtaga	aatagctaag	tgaggaagaa	ggcattccag	atagagcaag	2520
cagcgtatgc	aagccaactg	gacagagcag	gggaagctct	tgaagtcagt	ttagaatgac	2580
tgctaggcaa	gagttagaaa	actaaattac	aaaggatacc	ccacagaact	caggtcccct	2640
cgcattacct	gtacttagag	tttgcaataa	taaagcagac	tcttgagaag	agagagaaat	2700
acacttctca	gtgggattta	tacgtcagct	ctttcattac	atatttttct	actaatgggtg	2760
ttcttagtag	gaaaagctcc	caacttaaa	aaactaaaaa	ataatgtatt	tgacaataca	2820
ttaatcctta	aattttccat	ttttctagaa	attcatctga	gttcttgatc	tcattttatt	2880
cttcacagat	gtgtgcttta	cagtgtgccc	agcattttac	catatactaa	ctggttcaag	2940
tctgaaaggg	acctctgctt	tgagtctgct	tgccagagat	aagataggag	gcaagggctaa	3000
tttatgttct	gtaatatagt	gcaagtatat	ctggtagctg	tgttaaagat	gtgtgttaat	3060
ataaacatta	ccctcccccc	cctggccgcc	ctgaaataac	atatgactaa	aatttgcaat	3120
tgtaaaaact	accatttttg	gaaccagtaa	aattaaatgg	gttttattat	tatctagctt	3180
accttgaagg	ccatttccct	gattgccaca	tttctttaca	gtaagtgttg	agcaagtttc	3240
atttctaat	aaatctatta	gtaacagac	tgaactgagg	caacatgcc	ttttcactgg	3300
aaggtaggat	ttagttta	ttagcaaa	tttattgaga	ataaaaggat	aaaattaaag	3360
tcactgtgatt	gaaaccttta	ttaggctcca	agtcacacac	agtaattcca	gtctagcttt	3420
attccactga	agccgatcca	atatataaaa	attggattta	tagacagata	aaatagaagg	3480
ggtttcttta	caaaagcatt	tactattaaa	agtctttgac	taagctttcc	tagtacatat	3540
aaaatacaca	gaagtcatat	tttcatagaa	cacattta	aacatgctag	ctgtataaaa	3600
gaagtgcacat	catcttacgg	aatatatata	tatatgtgtt	tttttttttt	ttttgagaca	3660
gggtctctct	ctgtctcctg	ggttggagag	cagtgggtga	gtctcggctc	actgcaacct	3720
gcactcccca	ggctcaagca	atcctctcac	ctcagcctcc	cgagttagctg	gggctactgt	3780
gtaccaccac	cccctgggtaa	tttttgtatt	ttttgtagag	acggggctct	gccatgttgc	3840
ccagccttgt	ctcaaactcc	tgggctcaag	cagtccttcc	acctcagcct	tccaaagtgt	3900
tgggattaca	ggcatgagcc	accacaccct	gcctggactg	tattctctta	agtgatccat	3960
gaagcaaaaa	ctatctgcta	cagccaggta	tggctgcaca	agcctgtagt	ctcagctact	4020
caagaggtgg	agcagaagga	tctttggagc	tcaggagttt	gaggccatcc	tgggctgcat	4080
aaggagactc	tgtcccaaga	aagcaataac	tatttgcctga	actccatagg	acaactaaat	4140
gttactat	tctgaaacaa	agttgttatt	tttagccacc	taacaataca	ttttaacctta	4200
gaaccacagt	gatttgttta	ttctacagta	tcaaaaaaaa	ttcaagtatc	aagttatatc	4260
tgattgggat	cattaaactt	acctgtgaag	aagataacta	taaagaagca	atgttgtatt	4320
tcattaacat	gaaacattag	agtattttct	gttttgggac	ttgtagaagt	ttatggacac	4380
taaaattatt	tgggcttttt	gccttagact	caattatgtt	tgggaacatct	gtcacagcac	4440
cttgtcaact	gcattctaga	acatttctcc	tcctgatgga	aaatacaaca	tgacctatga	4500
ggcagtcctg	caaaagaaaa	aagaaatagc	agaatcta	ctagcctttc	aagatcctgc	4560
cacaatttat	aggaaataag	agtaagaggt	caaaggaaca	tatttattga	cacctcagca	4620
aatctagct	tctacagaaa	aacgacccag	tttcatccca	aataaattac	aagaaaaaag	4680
agtgaggatt	acaaaagact	tgagacatat	caagcaatta	caatgtggac	tttatttgaa	4740
tcttgatttc	acaaaactgt	aaatatatgt	attttacata	tgacatcttg	agaaatatga	4800
atactgtgac	ttgatatttg	atctaaggaa	ttacattgat	aattattgaa	gttgggtcat	4860
gagtacttag	ggattaattc	tctttaagtg	tttttctcat	aaaaagtttt	aaagtcttgt	4920
agaactaaaa	aaataccaaa	gatgttctaa	ttttatttca	tttttttcta	agaagaataa	4980
tatttttctt	ttcttttttc	cttttttttt	tttttttttt	ttttatgatg	gggtctctgt	5040
catccaggct	ggagtgcatt	gggtgcagct	cggctcactg	caacctccat	ctctcaggct	5100
caagcaaccc	tcccacctca	gcctcccaat	tagctgggac	cacaggcgtg	taccaccacg	5160
cctggctgat	tttttgtatt	tttagtagag	atgggggttt	actatgttgg	ctaggcttgg	5220
cttgaactcc	tgacctcaag	tgatgtctct	gcctcagcct	cacaaagtgt	ggggattaca	5280
gggtgtagcc	accgcacctg	gccagaaaaa	gagaaaaata	tttttattat	agattatcag	5340
tagttatgta	tattaatgaa	gaatttggct	tcattttacct	aattagatta	atcataaatc	5400
atztatgaat	agtaatagac	ttgaattgtt	acttttatatt	acacagttgg	ccctctgtac	5460
ctgcaggttc	tgcattcctg	gatttcaact	tggatcaaaa	atatttgggg	gaaaaaaagc	5520
aatacaacaa	taaaaaataa	tacaaattag	gaaaaatata	ctacaagaac	tattttacatg	5580

gcattttacat	tataagtaac	ctagagatga	cttaaagtat	atgagaagat	gtgcataggt	5640
tatatgcaaa	tatgccatat	gagggactgg	aaaaccagg	gatttttggtg	tcctggggggc	5700
tcctggaact	aatcacctgt	ggatactgag	ggacaactgt	aattaaattg	attttttggt	5760
ggatgcaact	gatgtttaat	ttggcggggg	ggaaatgtta	ggattcacaa	taacgtgagt	5820
actgtgggtt	ggagtagaga	atatgctttt	cagactcatt	ttcctttgga	aattaatagt	5880
aaggtctcaa	gtgcccccta	cagccttgct	actcaaagtg	ggttccacaa	agtgttgaca	5940
gtatggtact	aaatagaaag	tggctgaatg	agaaatgtag	attgcagagg	gcaactgggtg	6000
tgttttatatg	cctgacatta	tttgggtttt	ccccctcag	gcagaagctg	aggaagattg	6060
tcattctgat	actgtcagag	cagatgatga	tgaagaaaat	gaaagtcctg	ctgaaacaga	6120
tctgcaggca	tgtttcttca	atttgtgtctt	tgattttttat	tccattgttc	ccatacatat	6180
gcagaaaattg	atcataatca	tgggtatttg	taggttatta	ctgtttgcat	ggaatttaac	6240
tgtttccata	ctgggtttata	gaatacttaa	aactatgtta	tggctttctt	tgtgaaaaga	6300
aatatcaata	atgggttgctt	gtagtttaac	atgggttttaa	agtattcaaa	ctaaggctta	6360
cgcatgactc	aaaacccata	atcttaaaaa	gattgatggg	tttgaccacc	taaaagttta	6420
aaacctgtgt	ataagaaaag	gcatacataa	taaagttaag	agaaatagcc	agctggaaaa	6480
actgtttatt	atatatgggc	agaggattca	tctcattaca	tagagcactc	atataatttg	6540
aagaacagag	gataaaaaga	tatgagtggg	ctgttaatgg	caaaataata	caaattggcca	6600
ttaaataattt	gaagagataa	ttagcctcat	taataattta	atcagatttg	tgaataatgt	6660
gcacgcgtgt	ccaagctgtg	agaacactca	tgcagtgtac	atgaaaatgt	aaatttggtac	6720
agctttcttg	agggcagact	ggtgatattg	atcaaaaatga	aaaacatgca	ttcccttgat	6780
acagcaattc	tacttccagg	aaattaatgt	taaggaaaat	gtggggaaag	taaatatgca	6840
actataaaga	tgtttagtat	agcattgttt	atctggaaaa	acatcatata	acttaaatat	6900
tcattacctg	ttattaagta	atgatgcac	catacagtga	aaacactaca	gccattttaa	6960
aggatgaagt	aaatctttat	acattaaaag	agaaaaaaag	ttgctgtaac	tagttaagt	7020
tgtctcactg	cacttgtaag	gttaataata	attatttgga	acagctcatc	tagtagacat	7080
tgaatgctgc	taaagattct	gcaggtcaga	gatctatgtg	taacagggtta	aaagcgtagc	7140
aacaaagcag	tgtacagaat	atagagaaaa	attaatttaa	aacattctag	atacgtcttt	7200
ttttaaaaaa	aaaaaaggaa	gccaggaata	acatatgcat	ccctgttagc	aatggctgcc	7260
tttgggcaga	acgtgtaacc	cagtttggtg	tccccaggaa	gcagactagg	tgaagattgc	7320
tgtgcaggaa	gtttattaag	gagtatctct	gggatcaaca	cctatggaag	ggagagagg	7380
aaacaaattg	gcaggagaaa	aatgcagctc	aatgcagctc	taatggactg	cttagccatc	7440
ctcgagggag	ttctgaagat	gaaataccct	ttcagagatg	acctgagttg	caaagagcca	7500
agactttatt	agccgttgat	cagtcattgg	gtggggattg	agaggacagt	gtgattttgc	7560
tgaggcaata	cccaaaagg	ctgacaactc	aagtgttttc	agatagaact	ctcagcagtt	7620
tgggtaacaa	gttctttatt	tctgaaagg	aatctgggca	acacaccaga	gtctacctta	7680
tagggttcac	tttttatgtg	cttttaattt	tttttttttt	tgagatggag	tctcgctcca	7740
ttgcccaggc	tggagtgcag	tagcacgatc	tctgctgact	gccaacctct	gccacccgag	7800
ttcaagcaat	tctcatggct	cagcctccca	agtagctggg	attacagggt	cccgccacca	7860
cacctggcta	atttgtttgt	atcttttagta	gagacaggtg	ttcaccatgt	tggccgggct	7920
gttctcgaa	tcctgacctc	aggtgatccg	tctgcctcgg	cctcccaaag	tgctgggatt	7980
ataggcatga	gcctctgtgc	ctggccttta	cattttttgaa	ataacaaata	tttgaaaaaa	8040
cattttcttt	ttgaaatata	gaatgttaat	agattttggg	cttacctaca	gaatttttgg	8100
cagcattctt	aatgtctact	agatgatata	gtcattaaaa	aattattgga	agcttataac	8160
ttcagtcctg	aagtgatggc	ttatattttc	aattctaat	aaaatttggt	tttccaatat	8220
aatttgactt	ttggtgtact	gacatgtatt	ttatgcta	tttcttgatt	ctttaagttt	8280
tgagcagaaa	attattttta	aagatgtatt	taatggatat	ttaataattc	agaagacagt	8340
gatttctgga	cttagagtaa	taagtatata	cgtggaagta	gatagatgtt	ggacatatgt	8400
atacattggt	ccagagttag	gtacccttc	cttgatgagt	cctaaaatgc	tgttctcccc	8460
ataggcacaa	ctccagatgt	tccgagctca	gtggatgttt	gaacttgctc	caggtgtaag	8520
ctctagcaat	ttagaaaatc	gaccttgag	agcagcaaga	ggctctctcc	agaaaacatc	8580
ggcagatacc	aaaggaaaac	aagaacaggc	aaaagaagaa	aagttaagta	ttatagatat	8640
tgtaacaaat	tacatttttt	tttttttggc	acatggaaat	tttactgac	acagtaagta	8700
ggcattataa	ccagactttc	gggacataaa	cacatatctt	gtaaaataaa	aattttgact	8760
agtatactag	tttatatat	tctcacaatt	tcttctaggt	actttggatg	gtaccactac	8820
tctgcatgg	ctttttttct	tgtgggtaca	ctgtcttcat	tgagctgtct	tttgtttaatt	8880
tatagacctc	tgggattcat	gtggttctta	aaagattggg	gtctctgaat	ttattaacag	8940
aaccaaaag	aaaaaacaga	attttctaaa	tttattaata	gaaccaaata	gattgtctac	9000
atgttaatgt	ctttccagag	gtcttaattt	catgcagtat	tttgttatat	tttgtaattga	9060
tcagcttaca	ataatgcatt	aatcatttcc	ttattctgga	aaattttgaa	atattttcac	9120
actgaaaata	ttttgaaatgc	tgtctaacat	tcatatctct	tctggtactt	actcacacag	9180
agtaggcaca	gcataccatt	tcatttctta	ttcttcttcc	atagaggctg	ccatcttttt	9240

accatcagat	ccaagtttgt	gtttataaatt	agtcatcaaa	taattggcat	taccatgatg	9300
acttaccttc	tatctcctct	taatttttat	tttgaaataa	ttacaggtcc	acaggtatag	9360
ggaagtcctg	tgtgcccctt	aacctcctcc	gatggttaaca	acttgcataa	ctatagtaca	9420
atatcaaaaa	cgaggaaata	gacattggaa	caatccacag	tttacttgga	tttcctgagt	9480
ttacaagcac	ttgtctgtgt	gtatgtgtat	aaatagttgt	ttgcagtttt	attacaaggt	9540
agcttcatgt	aaccaccacc	acaatcaaga	tacagaactg	ttttatagtt	atatactccc	9600
tttccctagc	cattcgtaac	cactggcaac	cactagtctg	ttctccattt	tgtaattttg	9660
atattccaag	aatgttgtat	aagtggaaac	atccagtatg	taaccttttg	agattggcct	9720
ttttcactaa	gtataattcc	ctcaagatca	gtccaagtta	ctatgtatca	gtagtttggt	9780
ccttttttatt	gcagaatagt	attgcatggt	atggatgtac	cccagtttaa	ccattttattg	9840
gttgaaggac	atttgagttg	tttccaatat	ttggctgtta	tgaatggagc	tatggaaata	9900
tgtgtgtagg	ttttctcatg	aacataattt	tcacttctct	gggatgaaac	cccaagagta	9960
caattgctaa	gttctatagt	aagtacatgt	ttgatttttaa	aagaaactgc	caaagtgttt	10020
tctagagtat	cttatattaa	gttccccacca	gcaatgtatg	agtgatccag	ttcatcctca	10080
tcagcattta	gtgttgctac	tttttaattt	aatttaatta	attttattat	ttatttttaag	10140
acagagtctc	actttgtcgc	ccaggctgga	gtgcagtggt	gtgattccag	ctcactgcaa	10200
cctctgcctc	ccgggttcaa	gcgattctcg	tgccttggcc	tcccaaatag	ctgggattac	10260
aggccccgtc	agtaacgctg	ggctaatttt	tgtattttta	caaatttgta	ttttgtatct	10320
agaatgcaaa	agaacttcc	aaaacacaat	attaaaaata	ttagcaatct	agctgggtgc	10380
ggtggctcac	ttctgtaate	ccagcacttt	gggagcctgg	ggtttcacca	tgttggtcag	10440
gcttgctcgc	aactcctgac	ctcaagcagt	ctacctgctt	cagcctccca	aagtgctggg	10500
attacaggag	tgagccactg	ccactggcct	ttaattttat	taatagccat	tctgataggt	10560
atgtagtgg	atctcattgt	catttttaatt	tgcatttctc	taatggcttg	tgatgttgaa	10620
catcttttca	tgtgcttatt	tttcatctat	taatataat	tctctctctg	aaatatctgt	10680
tgatgtcttt	tctaattgga	ttacatata	atatataatt	attttttttt	tttttttttt	10740
ttttgagatg	gagtgtcact	gtgtcacccc	aggctggagt	gctgtggcac	gatctcagct	10800
cacagcaagc	tctgcctccc	aggttcaact	gattctcctg	cctcagcctc	cagagtagct	10860
gagactgtag	acgtgtgcca	ccacaaccgg	ctaatttttg	tatttttagt	acagatgggg	10920
tttcatcttg	ttggccaggc	cagtgtcgaa	ctcctggcct	cagggtgatct	gccgacctca	10980
gcctcccaaa	gtgctgggat	tacaggcgtg	agccaccgct	cccagccaga	tgctaataat	11040
tttgatgttg	tgttttgga	gttcttttatt	ctagatgcga	gtcttttatt	gaatatgtgg	11100
cttgtaaata	ttttcactct	cttaacaggg	catttccacag	agcaaaaatt	tttaattttg	11160
acaaggtcca	gtttatcagt	ttttcctttt	gtgaatggtg	cttttggtgt	caagaactct	11220
ttgcctagtc	ctaggtctcc	aagattttct	ttgttttctt	ttcttctaaa	agggttatgg	11280
attttacatt	taagtccatg	atccagtcaa	gttaattttt	atgtaaagta	tgagggttag	11340
gtcaaggttc	attaatttgc	ctatgaatat	ccagttattt	tgcacaattt	attaaaaagg	11400
ctctccttct	gccatccata	ctaattttta	atgcaggttt	tcaaaaattt	ttactttata	11460
tttttatagg	ctcgagaact	cttcctaaaa	gcagtagaag	aagaacaaaa	tggagctctc	11520
tatgaaggta	aaaattcaga	gcccagggtc	atatcataac	atttctgaat	aatgactctg	11580
ttattaacca	tatttttttt	tctataactt	atttggttata	gaacatcact	tttcttaata	11640
cattcttctc	tcagtactca	ttggaaattg	gttccaggac	cctttgtaga	taccaaatag	11700
ctcaagtcct	ttatatgaat	ggtgtaatat	ttacatataa	cttacttatt	atgtaaatag	11760
ttattatact	gtattttttt	tttaaatttg	tattttattt	aaatattttt	gatctgtagt	11820
tgggtgaatc	agagaatgtg	aaacccatga	atcacagagg	ccagctatat	ttgaaattgt	11880
tttttaaaaa	ataaaaaata	gaaattgttt	ttctatataa	cctgtctttt	tgcaaaaaaa	11940
tattgctggg	aaacatcatc	atgttggtag	gatgagcaaa	ataacttttt	tttacattta	12000
gcttttagtta	ttcttcatta	ataaagtatt	taaaaattat	tcatttttaa	atatgctctt	12060
tttataggtg	aaaattgctt	cagaggatgg	gaatataaag	gataaattga	ggaaaaaata	12120
catgtttttc	tttctaagtt	ccaattttaca	tattaccaac	agaaatatgt	ggtaatggcc	12180
gggcgcggtg	gtcacgcctc	gtaatcccag	cactttggga	ggccgaggcg	ggcggatcac	12240
gaggtcagga	gategagacc	atccccggcta	aaacggtgaa	accccgctctc	tactaaaaat	12300
acaaaaaatt	agccggcgta	gtggcgggcg	cctgtagtcc	cagctacttg	ggaggctgag	12360
gcaggagaat	ggcgtgaacc	cgggaggcgg	agcttgcagt	gagccgagat	cccgccactg	12420
cactccagcc	tgggcgacag	agcgagactc	cgtctcaaaa	aaaaaaaaaa	aaaaaaaaaa	12480
aaaagaaata	tgtggtaata	tatgtgtcag	ctttgtgtct	tttattaacc	caatagaaat	12540
gtgtaaaata	agtgatagga	ctatttgcca	tattaggttt	gtaattatgc	tttctttttg	12600
tgatagtaaa	gataataatt	gatgcatagg	aaaaatcctt	gtgcttgaat	cgtttgaaaa	12660
tgccccaaaa	ctaaccatcat	tcagagttac	tgcaatttata	tgcaagtttc	ttctagtgat	12720
atttttcttt	agatttttag	aaaggcccgag	ttgatcaagt	ccctgtgcag	ccttcattgg	12780
tttgtgaaat	tcgcatctcc	acttagtgta	tgggtgtaatt	catccagaat	aatagaacat	12840
ggcagaatat	attgaatcat	aaactccttt	gtagggaaaa	agaactagtc	agcctctaca	12900

gctccaagtt	ctactggtgt	atctctgtgg	ggagagttat	tgaatattac	agctcctaaac	12960
tacctgtcta	ggaaatttgt	aaaaaataag	ttttgaagat	tacttaggta	aataagaggc	13020
agctgggcta	aaagaagtta	aattttaagg	ataatttaaa	aacaaaaaca	aaaactattc	13080
tttattccac	ccagtaggaa	gcatttaatt	ttcctcaact	ctgtgtctta	gaaaagtttg	13140
cttagaagtg	tttttggcca	ggcatggtag	ctgacacctc	taatctcagc	actttggcag	13200
gctgaggcgg	gaggatcgct	tgaacccagg	agttcaagac	cagcctgggc	aatatagcaa	13260
gatgttgtct	ctacaaaaaa	tttaaaaatt	agctgagtgt	gctggctggg	gcatgcctgt	13320
agccccagct	actcaggaga	ctgagggtggg	agaatcactt	ggacctggga	ggtggagtct	13380
gcagtgagcc	aagatcgtgc	caactgcact	ccaacctgga	caacagagtg	agaccttgtc	13440
ttaaaaaaga	gagaagtatt	tttgttggct	atagcaattg	catcttcaga	gccccaaaga	13500
agacaactat	ttaaaaatca	tgatacgtaa	gagggtgagg	aaaaatatgg	gaaggggctaa	13560
tatataagag	taaaatacaa	catcttaagt	ttagggaana	gtttctttct	gagcattaag	13620
gtttggaaat	agtttttgtg	cactgaactg	ctgttgcatg	tagaaaaaca	gaatttggcc	13680
gtttgtaaag	aaagttacca	aattaaacca	cagttaaggg	taatcaaagg	aatgacaaa	13740
aatgtgtggt	cacagctaata	ttagctttat	ttcttctttt	agccatcaag	ttttatcgta	13800
gggctatgca	acttgtacct	gatataagag	tcaagattac	ttatacccg	tctccagatg	13860
gtgatggcgt	tggaaacagc	tagtgcgat	ataatttgat	agatagtaata	gcatagagtt	13920
tgttaaagtt	aagcatcttt	gccctgttga	ctcttaagat	ggtgctaatt	ctggtgagct	13980
ctatactctt	tagtatatct	ttgtttataa	agttgtagaa	atthtttaata	taggggaaatt	14040
gcaagataac	acatagaaat	gcacctttta	aacagataca	aaaataaaca	gatacaaaaa	14100
taaacagata	caaaaaaacg	gtttaaaaaa	ataaaaagcag	tagttactga	aaggagtaaa	14160
ttaaaggaca	catttcaact	ttctgaaacc	tatttgaagt	agaaagttht	aaaatgtaata	14220
taggctaana	ttggcaaaat	attaataatg	gtttaaattg	agtgatgggt	acatgggagt	14280
ttattacact	agtttctcta	cgtatatgtt	tgaattttta	catttttaaaa	aaggcttcta	14340
attaggaaaa	tgctgaacta	taaaagatgt	tattattctc	ttaatgtttt	tagtaaaaaca	14400
ttaaaactct	aacattttatt	taaaagcaca	ggtgcagaat	atattcctaa	aagaaatcat	14460
gtttgaattg	tatagttgcc	actgcataca	agccatgaag	tagcattggg	tttatatgga	14520
taaagatcaa	gaaaacttat	ttttaaggca	atacttttgc	aagacaatta	taaaattggt	14580
ttggcttaat	tgcaactatct	cccaaaaactc	aatttgctga	tattagaaga	gaagggagtc	14640
tgtaccctatg	agagaatgtc	agggttaaaaa	tagacagtag	agagaaaaaa	gttttggtaa	14700
tgaatatatta	tattagctat	tatatcaata	tattcctctc	gtcatgaaat	aattgtcacc	14760
tttattgata	acatatgctt	attgccaatg	tttttcaact	gcatatggta	ttaacactta	14820
agctttggat	aagtcataat	aaaaacattc	ccaacaagg	caatattaat	agcctgttta	14880
aatttttcagc	taataatatt	gttcacccaaa	ttagagttaa	cagtatgagg	tagttcatac	14940
ttaaaatgaa	tcacttgggt	tttttctaaa	ccttctttta	atthgggtag	agtcgttttag	15000
actcagctct	tagccagttt	tataaatatg	tgccagatgc	tgtaagaaa	gattgtatta	15060
aaatattaaa	gaggcatttc	ttttcttttcc	cattttttat	acaaaccag	acgctatgaa	15120
agttctttta	ggattcatct	ttttttttta	aataagatct	gataagccct	aaaagtttgc	15180
ctttcttttt	cttttctgta	acatgtttgt	agaatagcca	ttgagtccat	ctagcctcaa	15240
ccacacttat	atttttgtgt	attacaaaat	gcccttccctg	gttttttttt	ttgttttttt	15300
gtttttttta	agttctatc	acttgaaact	tcctgggttt	ctaacttcgc	cttcatccaa	15360
tcctctttgt	aagtctgata	atctttaagg	tttacttcag	taaaaataga	aagctcattt	15420
ttctagcacc	attcactaca	cattttgtgta	tactggtaga	tgattttgtga	accctaagat	15480
gttttcaaag	taggtatttt	cctctctaaa	ggtaggctga	taaggcaaat	ctggttagaaa	15540
acccttggtg	agtaagtacc	tcagatgacg	tctgtagatt	tggtttttat	ccagtttagaa	15600
taaatataag	ttaaagaaca	tactacgtta	agatttttga	aaccatttga	aagcttgcag	15660
taactcataa	aatctctact	ttacaataaaa	attagttaaa	tctcaacacc	tgtatccaaa	15720
aatttctaatt	cttttctggat	gataattact	gaagcttttt	tctttgaaaa	acttgatata	15780
gtattccttt	gcaagacagg	ataaattcat	cacattttaa	aatgtatcac	atgttgataa	15840
agcttttaggt	gactttttgt	aaagcaaat	tgaaaatgct	atgaaaaatc	agtttctaaa	15900
ctgtacgctt	gtagactgag	gcacttaatt	tattcacctc	ccttttttca	gcattgaaga	15960
taatgatgat	gacagcaaaa	tggcagatct	cttgctctac	ttccagcagc	aactcacatt	16020
tcaggagtct	gtgcttaaac	tgtgtcagcc	tgagcttgag	agcagtcaga	ttcacatata	16080
aggtgtgaat	acttgttttt	cataactcag	tgagaaatat	cttaacctta	aagatttcca	16140
aattttataag	gtcagataat	ttgccagata	actgctgctt	tagttcagaa	tatgggtggaa	16200
gatctagtta	taattatcat	ttgcatatac	tattaagctg	ttttgtgttt	tgttttgtct	16260
tgttttgttt	tttgaaatgg	agacgtgccc	tgtaacccag	gctggagtgc	agtggtgcaa	16320
tctcggctca	ctgcaacctc	tgctctctgg	gttcaagcaa	ttctgctgcc	tcagcctccc	16380
aagtggctgg	gattacaggc	gtgtgccacc	acaccagct	aaatttttgt	atcttcagta	16440
aagacagagt	ttcaccatgt	tggccaggct	ggtctcgaac	tcctgacttc	atgatctgcc	16500
caccttggcc	tcccaaagtg	ctgggattac	aggcctctga	ggcactgcgc	ccagccagct	16560



agtaagctgc	tttacaatct	gaagcagaac	agttttagt	gctgttgtt	aaggatgcc	16620
tacctttttc	agtaaagatc	taacagggtg	agtctgagtt	gttgaggtag	ccctaagaaa	16680
actggaggaa	tactggtatc	atgaagcatt	tcagccatgt	tggaacaattg	tcctgagaca	16740
gactgaatgt	ttaggaatta	atggattttt	gttcgggcat	ggtggctcac	gcctgcaatc	16800
tcagcatttt	gggaggctga	gttgggagga	tcacttgagg	ccaggagttc	aagataagcc	16860
tggccaacat	ggtgaaaccc	cacctctact	aaaaatacaa	aaattagctg	ggcgtcgtgg	16920
cgcatgactg	tagtcccacc	tacttgggag	gctgaggcac	gagaattact	tgaacccagg	16980
aggcagaggc	tgcagtgagc	tgagattgta	tcactgcact	ccagcctggg	caacagagca	17040
agaacctgtc	acaaaaaaaa	aagaaattca	tgtattttta	atatgtttaa	tattgttttg	17100
ttcggggctt	tttcagagga	ggacaattaa	aagttttcaa	ggagatgaaa	ataacttttag	17160
tgtaatatga	tgcaatatgg	atcacacaca	catagattat	tttcctaaaa	catttatttt	17220
aatatgtctg	gcaaaataat	cttatgaggg	aaaagagtgc	tttataaaaa	gtagcttcag	17280
atctatactg	aaaaaacaaa	gatattttatg	tcttgatgtt	aagaaccatt	attattatttg	17340
agtagctaaa	tacatttcag	ctttagctct	gagcaataca	gagggtgtga	ttataaattt	17400
ctaggaaggt	ataaatgtac	tgggaatgta	gttgtgacaa	tagaatgaca	tagaggagag	17460
tcactgaagg	atgattttct	tttgcagtgc	tgccaatgga	ggtcctgatg	tacatcttcc	17520
gatgggtggg	gtctagtgc	ttggacctca	gatcattgga	gcagttgtcg	ctgggtgtgca	17580
gaggattcta	catctgtgcc	aggtactaag	tttttgtttt	tgttttttta	acaactgagg	17640
caatggtgaa	aagaaagatg	gtcctttgcc	aatcctgata	aaattacttg	attggtgttc	17700
tgagttaaag	cttagaataa	acaagttttg	ctaagctgta	cttaactttc	tcaataaact	17760
tagaatttaa	aggctagaat	atgctaggtt	tctagggtat	agaataatat	gtaggacaga	17820
tgtagtaaac	catactacta	ccatagagtt	tacatgtcag	cttaactgat	ttgggaaaaa	17880
gagttatatt	agaaaaatat	attcaagtca	tttttacact	aactgtaaac	tcattgtggt	17940
aatggttttag	attaaaacag	cactagcatt	ttcttatggc	tcattaaaag	ttattctata	18000
ttttgaa						18007

<210> 8835  
 <211> 8551  
 <212> DNA  
 <213> Homo sapiens

<400> 8835						
gcgctgggcgc	aggtttccgc	agctgagggg	gcagctccgc	ggcggcgctcc	ggggtctcca	60
gtagggctga	cgctccgggtg	ctgcgacaat	ccccgcctc	ggctggcaac	gggcgtccct	120
ccactccccg	agtcgccggc	agccgccgcc	accccgagcg	gccccgatct	ggccccctgc	180
cccgcgaaga	tggtctgccgt	acgccggggc	cgcagttatt	gccgctgcct	ggtgcgcttc	240
tccgaccgag	aactctgcta	agctccgctg	cagagacagg	caggagtaga	caccgggaca	300
cccagcacc	ctcctccggg	gggcggtgca	gagggggcac	ggagagcccc	tcgagcgcag	360
caggccggcc	cgccagcatg	gtaacctggc	cagggggctc	gagggtggac	gccgcggggc	420
gggagcgtgg	tgtgcagagg	ggccgggcct	agggctgggg	gtcggcgggg	actctggggg	480
ggagtgggag	cttcacggct	gccaccggtt	agagggccct	ggcctgagaa	ggagtgcgtc	540
ggggggcggg	gggtgccaac	cctggcttct	ccccaggatt	ccttcctgct	gagcctcccc	600
aacccccgcc	gagctcgatg	tgaggaggag	ggtttgcagg	acagccgggg	aaaatgtccc	660
ttctcggtc	actgagtata	ttgaaccagt	ctcggtcctc	tcaagggtat	ttatcagaag	720
cattgagcat	agattgaggt	aagctgtcac	agcgctgaa	ttcgggaggg	agctctggca	780
agaggagaca	cttgttgatt	gctcttctgc	ggaaaagcca	ggcccaccga	caggccctgc	840
cggcaccttg	aggagccctg	ggtgtaggac	gcatctgccc	cgcgaggcgt	cattccctgg	900
gaggatgttg	gcaggcggtc	ctggcgaggt	ggggttggag	ggttcgtctc	cgcggcgctc	960
gtgccgtcca	aatgagagac	tgagctaagt	tgcagagctt	gacagtgcag	attccatgag	1020
actgttccat	attggaatac	gtagtctctg	ccctatgcct	ttctttggtt	tagaataaat	1080
tgttcatctg	agaaactaat	ctctggctgg	ggcttaaaga	atcagggtatg	caataattcc	1140
aaacgattta	atttatagtg	gactcaaata	tttattgcat	aaatgaatgg	ctgaatttat	1200
ttttattaaa	ttaatctgga	ggatagaaaa	ggcaattgcc	cctgccccct	aactttcaga	1260
agtagttctc	tgaccgggat	taagtactta	gcctttataa	tttattaatc	gcacctgtga	1320
aacaggagta	acatgatgaa	gacatggact	actcatacac	atgagctatt	caagtgaagg	1380
tgatattttag	gtcaaacctg	attatgaaaa	ataaaaggaa	aacctccagg	tggcatctga	1440
ggccctactt	atttcaagta	gtagtgtgaat	tgaccaaagt	tcaactcagc	cgatcccaga	1500
tataatagtt	tgttttttgtg	atcatactgt	caaaatcaaa	gtaagaatgg	tttagagctc	1560
cactgtaaca	caggggagaa	gaaagatgct	gtctatatta	cacttctccc	atttcctttc	1620
ctcatccttc	agatacacat	tatccagatg	gcattttatt	tgtcgattca	gccaatattt	1680

ttgagtacct	attagccttg	catagtgtga	gactctggta	caataactaga	tcttcaatat	1740
aaccaaacct	gcaaggtgat	ttatgataaa	cttttaataca	cagaatgtca	catgaaaagg	1800
gacctcagta	gatcaccata	cctcttttata	gatgtcccat	agacatgaca	gctgaggcct	1860
agacaggcct	ttactacaaa	tcaagcaatg	tgtttgacct	tatggttaca	gaggtaactg	1920
agatgtgttc	ctgtcctgga	tgctttaaata	ctagtaaatg	aaacagccaa	cctcagtaca	1980
aatgtttgtga	taaaagtaag	cacaagtgtt	atgggaacac	aaaaatgttg	aaaaatgctt	2040
ctgactaaga	tgaaccttga	gctgaatctt	gaagaatgag	tagaaatagc	taagttagga	2100
agaaggcatt	ccagatagag	caagcagcgt	atgcaagcca	actggacaga	gcagggggaag	2160
ctcttgaagt	cagtttagaa	tgactgctag	gcaagagtta	gaaaactaaa	ttacaaaggga	2220
taccccacag	aactcagggtc	ccctcgcat	acctgtactt	agagtttgca	ataataaagc	2280
agactcttga	gaagagagag	aaatacactt	ctcagtggga	tttatacgct	cagtcttttca	2340
ttacataattt	tcctactaat	ggtgtttctta	gtaggaaaag	ctcccaactt	aaagaaacta	2400
aaaaataatg	tatttgacaa	tacattaatc	cttaaatttt	ccatttttct	agaaattcat	2460
ctgagttctt	gatctcattt	atttcttcac	agatgtgtgc	tttacagtgt	gcccagcatt	2520
ttaccatata	ctaactgggt	caagtctgaa	aggcacctct	gctttgagtc	tgcttgccag	2580
agataagata	ggagggaagg	ctaattttatg	ttctgttaata	tagtgcaagt	atatctggta	2640
gctgtgttaa	agatgtgtgt	taatataaac	attaccctcc	cccccgcc	gccctgaaat	2700
aacatatgac	taaaatttgc	aattgtaaaa	cttaccatct	ttggaaccag	taaaatttaa	2760
tgggttttat	tattatctag	cttaccttga	aggccatttc	cctgattgcc	acatttcttt	2820
acagtaagt	ttgagcaagt	ttcatttctt	aataaatcta	ttagctaaca	gactgaactg	2880
aggcaacatg	ccattttcac	tggaaggtag	gatttagttt	aatttagcaa	acatttattg	2940
agaataaaa	gataaaaatta	aagtcatctg	attgaaacct	ttattaggct	ccaagtca	3000
cacagtaatt	ccagtctagc	tttattccac	tgaagccgat	ccaatatata	aaaattggat	3060
ttatagacag	ataaaataga	aggggtttct	ttacaaaagc	atttactatt	aaaagtcttt	3120
gactaagctt	tcctagtaca	tataaaatac	acagaagtca	tattttcata	gaacacattt	3180
aataacatgc	tagctgtata	aaagaagtga	catcatctta	cggaatatat	atatatatat	3240
gtgttttttt	tttttttttt	gagacagggg	ctctctctgt	ctcctgggtt	ggagagcagt	3300
ggtgcagctt	cggctcactg	caacctgcat	ctcccaggct	caagcaatcc	tctcacctca	3360
gcctcccag	tagctggggc	tactgtgtac	caccaccccc	tggtaatttt	tgtatttttt	3420
gtagagacgg	ggtcttgcca	tggtgcccag	ccttgctca	aactcctggg	ctcaagcagt	3480
ccttccacct	cagccttcca	aagtgttggg	attacaggca	tgagccacca	caccctgcct	3540
ggagtgtatt	ctcttaagt	atccatgtaag	caaaaactat	ctgctacagc	cagggtatggc	3600
tgcacaagcc	tgtagtctca	gctactcaag	aggtggagca	gaaggatctt	tggagctcag	3660
gagtttgagg	ccatcctggg	ctgcataagg	agactctgtc	ccaagaaagc	aataactatt	3720
tgctgaactc	cataggacaa	ctaaatgtta	ctattttctg	aaacaaagt	gttattttta	3780
gccacctaac	aatacatttt	aacctagaac	ccagtggatt	tgtttattct	acagtatcaa	3840
aaaaaattca	agtatcaagt	tatatctgat	tggtatcatt	aaacttacct	gtgaagaaga	3900
taactataaaa	gaagcaatgt	tgtatttcat	taacatgaaa	cattagagta	ttttctgttt	3960
tgggacttgt	agaagtttat	ggacactaaa	attatttggg	ctttttgcct	tagactcaat	4020
tatgtttgga	acatctgtca	cagcaccttg	tcaactgcat	tctagaacat	ttctcctcct	4080
gatggaaaaat	acaacatgac	ctatgaggca	gtcttgcaaa	agaaaaaaga	aatagcagaa	4140
tctaattctag	cctttcaaga	tcctgccaca	atttatagga	aataagagta	agagggtcaa	4200
ggaacatatt	tattgacacc	tcagcaaaat	ctagcttcta	cagaaaaacg	accaggtttc	4260
atcccaaata	aattacaaga	aaaaagagtg	aggattacaa	aagacttgag	acatatcaag	4320
caattacaat	gtggacttta	tttgaatctt	gatttcacaa	actgtgaaat	atatgtattt	4380
tacatatgac	atcttgagaa	atatgaatac	tgtgacttga	tatttgatct	aagggaattac	4440
attgataaatt	attgaagttg	ggtcatgagt	acttagggat	taattctctt	taagtgtttt	4500
tctcataaaa	agtttttaaag	tctttagaaa	ctaaaaaaat	accaaagatg	ttctaatttt	4560
atttcatttt	tttctaagaa	gaataatatt	tttcttttct	tttttctctt	tttttttttt	4620
tttttttttt	tatgatgggg	tctctgtcat	ccaggctgga	gtgcaatggc	gcagtctcgg	4680
ctcactgcaa	cctccatctc	tcaggctcaa	gcaacctctc	cacctcagcc	tcccaattag	4740
ctgggaccac	aggcgtgtac	caccacgcct	ggctgatttt	ttgtattttt	agtagagatg	4800
gggttttact	atgttggcta	ggctggctct	gaactcctga	cctcaagtga	tgctcctgcc	4860
tcagcctcac	aaagtgtggg	gattacaggt	gtgagccacc	gcacctggcc	agaaaaagag	4920
aaaataattt	ttattataga	ttatcagtag	ttatgtatat	taatgaagaa	tttggttca	4980
ttacctaatt	tagattaatc	ataaatcatt	tatgaatagt	aatagacttg	aattgttact	5040
ttatattaca	cagttggccc	tctgtacctg	caggttctgc	atcctgggat	tcaactgtgg	5100
atcaaaaata	tttgggggaa	aaaaagcaat	acaacaataa	aaaataatac	aaattaggaa	5160
aaatatacta	caagaactat	ttacatggca	tttacattat	aagtaacctc	gagatgactt	5220
aaagtatatg	agaagatgtg	cataggttat	atgcaaatat	gccatatgag	ggactggaaa	5280
accagggat	tttgggtgtc	tgggggctcc	tggaaactaat	cacctgtgga	tactgaggga	5340

caactgtaat	taaattgatt	tttggatgga	tgcaactgat	gttaaatttg	gcggggggga	5400
aatgttagga	ttcacaataa	cgtgagtact	gtgggttgga	gtagagaata	tgcttttcag	5460
actcattttc	ctttggaaat	taatagtaag	gtctcaagtg	ccccctacag	ccttgctact	5520
caaagtgggt	tccacaaagt	gttgacagta	tggtaactaaa	tagaaagtgg	ttgaatgaga	5580
aatgtagatt	gcagagggca	actgggtgtgt	ttatatgcct	gacattatbt	gggttttccc	5640
ccctcaggca	gaagctgagg	aagattgtca	ttctgatact	gtcagagcag	atgatgatga	5700
agaaaatgaa	agtcctgctg	aaacagatct	gcaggcatgt	ttcttcaatt	gtgtctttga	5760
tttttattcc	attgttccca	tacatatgca	gaaattgatc	ataatcatgg	gtattttag	5820
gttattactg	tttgcattgga	attttaactgt	ttccatactg	gtttatagaa	tacttaaaac	5880
tatgttatgg	ctttctttgt	gaaaagaaat	atcaataatg	gttgcttgta	gtttaacatg	5940
ggtttaaaagt	attcaaacta	aggcttacgc	atgactcaaa	accataatc	ttaaaaagat	6000
tgatgggttt	gaccacctaa	aagtttaaaa	cctgtgtata	agaaaaggca	tcataaataa	6060
agttaagaga	aatagccagc	tggaaaaaact	gtttattata	tatgggcaga	ggattcatct	6120
cattacatag	agcactcata	tattttggaag	aacagaggat	aaaaagatat	gagtggtactg	6180
ttaatggcaa	aataatacaa	atggccatta	aatatttgaa	gagataatta	gcctcattaa	6240
taatttaaatc	agattgggtga	ataatgtgca	tcgctgtcca	agctgtgaga	acactcatgc	6300
agtgtacatg	aaaatgtaaa	ttggtacagc	tttctggagg	gcagactggg	gatatggatc	6360
aaaatgaaaa	acatgcattc	ccttgataca	gcaattctac	ttccaggaaa	ttaattttaa	6420
ggaaatagtg	gggaaagtaa	atatgcaact	ataaagatgt	ttagtatagc	attgtttatc	6480
tggaaaaaca	tcatacaact	taaaatattca	ttacctgtta	ttaagtaatg	atgcatccat	6540
acagtgaana	cactacagcc	atttaaaagg	atgaagtaaa	tcctttataca	ttaaaagaga	6600
aaaaaagttg	ctgtaactag	ttaagtgtgt	ctcactgcac	ttgtaagggt	aataataaatt	6660
atttggaaca	gctcatctag	tagacattga	atgctgctaa	agattctgca	ggtcagagat	6720
ctatgtgtaa	caggttaaaa	gcgtagcaac	aaagcagtg	acagaatata	gagaaaaaatt	6780
aattttaaacc	attctagata	cgtcttttta	aaaaaaaaaa	aaaggaagcc	aggaataaca	6840
tatgcatccc	tgtagcaaat	ggctgccttt	gggcagaacg	tgtaaccag	tttgggttcc	6900
ccaggaagca	gactaggtga	agattgctgt	gcaggaagtt	tattaaggag	tattcttggg	6960
atcaacacct	atggaaggga	gagagggaaa	caaatgggca	gggagaagac	cagctgcaat	7020
gcagtcttaa	tggactgctt	agccatcctc	gagggagttc	tgaagatgaa	ataccctttc	7080
agagatgacc	tgagttgcaa	agagccaaga	ctttattagc	cgttgatcag	tcattgggtg	7140
gggattgaga	ggacagtgtg	attttgctga	ggcaattacc	aaaagggtctg	acaactcaag	7200
tgttttcaga	tagaactctc	agcagtttgg	gtaacaagtt	ctttattttct	gaaagggaat	7260
ctgggcaaca	caccagagtc	taccttatag	ggttcacttt	ttatgtgctt	ttaatttttt	7320
ttttttttga	gatggagtct	cgctccattg	cccaggctgg	agtgcagtag	cacgatctct	7380
gctgactgcc	aacctctgcc	accgagttc	aagcaattct	catggctcag	cctcccaagt	7440
agctgggatt	acaggtgccc	gccaccacac	ctggctaatt	tgttttgtatt	tttagtagag	7500
acaggggttc	accatgttgg	ccgggctggt	ctcgaactcc	tgacctcagg	tgatccgtct	7560
gcctcggcct	cccaaagtgc	tgggattata	ggcatgagcc	tctgtgctctg	gcctttacat	7620
ttttgaaact	acaaatatatt	gaaaaaacat	tttctttttg	aaatacagaa	tgtaataga	7680
ttttgggctt	acctacagaa	tttttggcag	cattcttaatt	gtctactaga	tgatatagtc	7740
attaaaaaat	tatttgaagc	ttataacttc	agtctgtaag	tgatggctta	tattttcaat	7800
tctaattaaa	atttgggtttt	ccaatataat	ttgacttttg	gtgtactgac	atgtatttta	7860
tgctaatttt	cttgattctt	taagttttga	gcagaaaatt	attttaaaag	atgtatttaa	7920
tggatatatta	ataattcaga	agacagtgat	ttctggactt	agagtaataa	gtatatacgt	7980
ggaagtagat	agatgttggg	catattgata	cattgttcca	gagttgagct	acccttcctt	8040
gatgagtcct	aaaatgctgt	tctccccata	ggcacaactc	cagatgttcc	gagctcagtg	8100
gatgtttgaa	cttgctccag	gtgtaagctc	tagcaattta	gaaaatcgac	cttgagagc	8160
agcaagaggg	tctctccaga	aaacatcggc	agataccaaa	ggaaaacaag	aacaggcaaa	8220
agaagaaaaag	ttaaagtatta	tagatattgt	aacaaattac	attttttttt	tttggcacat	8280
ggaaattttc	actgacacag	taagtaggca	ttataaccag	actttcggga	cataaacaca	8340
tatcttgtaa	aataaaaaatt	ttgactagta	tactagttta	tatattttctc	acaattttctt	8400
ctaggtactt	tggatggtac	cactactcct	gcattggcttt	tttctctgtg	ggtacactgt	8460
cttcattgag	ctgtcttttg	ttaatattata	gacctctggg	attcatgtgg	ttcctaaaag	8520
attgggtgtct	ctgaatttat	taacagaacc	a			8551

<210> 8836  
 <211> 18004  
 <212> DNA  
 <213> Homo sapiens

```

<400> 8836
tcaaaaactt tagtcgttat aacaactgtg actgttgaga aatttcactg ttttctgca 60
ttcttggegc gggactctag ccagaggctc cgaggacttt gtagcgactg tcccaagcgt 120
ccagttcgat gcttctcagg gcggcttgct ttaagggccccc acccctaaat ttgggttgta 180
aaaatTTTTT aggtaatgct tgttcaagtt cgcttaagtg ttactcagc ccaacacgcg 240
ggttgggctt gaggttcggc acccgggcag cctcaccccc cgcgtcaggc gcgcgcacac 300
agtaggtccg cgacccttag ccctccacta ggcagcccgc ggggatgggt ggccgggccc 360
cccacacggg cagcaccggc actgcgcagt ctccggcgct cggcgcaggt ttccgcagct 420
gagggggcag ctccgcggcg gcgtccgggg tctccagtag ggctgacgct ccggtgctcg 480
cacaatcccc cgctcgggtt ggcaacgggc gtccctccac tccccgagtc cccggcagcc 540
gccgccaccc cagcgcgccc cgatctggcc ccttgccccg cgaagatggc tgccgtacgc 600
cgggcccgcg gttattgccg ctgcctggtg cgttctcccg accgagaact ctgctaagct 660
ccgctgcaga gacaggcagg agtagacacc cggacaccca gcaccctcc tccggggggc 720
ggtgacagag gggcaccggg agccccctcg gcgcagcagg ccgccccgcc agcatggtaa 780
cctggccagg gggctcgagg gtggacgccg cggggcgggg gcgtgggtgtg cagagggggc 840
gggcctaggg ctggggggtc gcggggactc tggggaggag tgggagcttc acggctgcca 900
cccgttagag ggccctggcc tgagaaggag tgcgtcgggg ggccgggggt gccaacctg 960
gcttctcccc aggatccctt cctgctgagc ctccccaaac cccgccgagc tcgatgtgag 1020
gaggagggtt tgcaggacag ccggggaaaa tgtcccttct cggtcactg agtatattga 1080
accagtctcg gtccctctcaa gggattttat cagaagcatt gagcatagat tgaggtaagc 1140
tgtcacaggc cctgaattcg ggaggagctt ctggcaagag gagacacttg ttgattgctc 1200
ttctcgggaa aagccaggcc cactgcggcg accctgaggg gccctggggtg 1260
taggacgcat ctgccccgcg aggcgtcatt ccctgggagg atgttggcag gcggtcctgg 1320
cggagtgggg ttggagggtt cgtctccgcg gcgtcgggtg cgtccaaatg agagactgag 1380
ctaagttgca gagcttgaca gtgcagattc catgagactg ttccatattg gaatacgtag 1440
tctctgccct atgcctttct ttggtttaga ataaattgtt catctgagaa actaatctct 1500
ggctggggct taaagaatca gggatgcaat aattccaaac gatttaattt atagtggact 1560
caaataattt ttgcataaat gaatggctga atttattttt attaaattaa tctggaggat 1620
agaaaaggca attgcccctg cccctaaact ttcagaagta gttctctgac cgggattaag 1680
tacttagctt ttataattta ttaatcgcac ctgtgaaaca ggagtaacat gatgaagaca 1740
tggactactc atacacatga gctattcaag tgaaggtagt atttaggtca aactcgatta 1800
tgaaaaataa aaggaaaaacc tccagggtggc atctgaggcc ctacttattt caagtagtag 1860
ttgaattgac caaatgtcaa ctcagccgat cccagatata atagtttgtt tttgtgatca 1920
tactgtcaaa atcaaagtaa gaatggttta gagctccact gtaacacagg ggagaagaaa 1980
gatgctgtct atattacact tctcccattt cctttcctca tccctcagat acacattatc 2040
cagatggcat tttatttgct gattcagcca atatttttga gtacctatta gcctggcata 2100
gtgtgagact ctggtacaat actagatctt caatataacc aaacctgcaa ggtgatttat 2160
gataaacttt taatcacaga atgtcacatg aaaagggacc tcagtagatc accatacctc 2220
tttatagatg tcccatagac atgacagctg aggcctagac aggcctttac taaaaatcaa 2280
gcaatgtggt tgaccttatg gttcacagag taactcgagt gtgttccctg cctggatgcc 2340
ttaaatctag taaatgaaac agccaacctc agtacaaatg ttgtgataaa agtaagcaca 2400
agtgttatgg gaacacaaaa atgttgaaaa atgcttctga ctaagatgaa ccctgagctg 2460
aatcttgaag aatgagtaga aatagctaag tgaggaagaa ggcattccag atagagcaag 2520
cagcgtatgc aagccaaactg gacagagcag ggggaagctc tgaagtcagt ttagaatgac 2580
tgctaggaaa gagttagaaa actaaattac aaaggatacc ccacagaact caggtcccct 2640
cgcattacct gtacttagag tttgcaataa taaagcagac tcttgagaag agagagaaat 2700
acacttctca gtgggattta tacgctcagt ctttcattac atattttcct actaatggtg 2760
ttcttagtag gaaaagctcc caacttaaag aaactaaaaa ataattgtatt tgacaataca 2820
ttaatcctta aattttccat tttcttagaa attcatctga gttcttgatc tcattttatt 2880
cttcacagat gtgtgcttta cagtgtgccc agcattttac catatactaa ctgggttcaag 2940
tctgaaaggc acctctgctt tgagtctgct tgccagagat aagataggag gcaaggctaa 3000
tttatgttct gtaatatagt gcaagtatat ctggtagctg tgttaaagat gtgtgttaat 3060
ataaacatta cctccccccc ccggccgccc tgaaataaca tatgactaaa atttgcaatt 3120
gtaaaactta ccatctttgg aaccagtaaa attaaatggg ttttattatt atctagctta 3180
ccttgaaggc catttccctg attgccacat ttctttacag taagtgttga gcaagtttca 3240
tttcttaata aatctattag ctaacagact gaactgaggc aacatgccat tttcactgga 3300
aggtaggatt tagtttaatt tagcaaacat ttattgagaa taaaaggata aaattaaagt 3360
catctgattg aaacctttat taggctccaa gtcacacaca gtaattccag tctagcttta 3420
ttccactgaa gccgatccaa tatataaaaa ttggatttat agacagataa aatagaaggg 3480
gtttctttac aaaagcattt actattaaaa gtctttgact aagctttcct agtacatata 3540
aaatacacag aagtcattat ttcatagaac acatttaata acatgctagc tgtataaaag 3600

```

aagtgcacatc	atctttacgga	atatatatat	atatatatgt	gtttttttttt	tttttttttga	3660
gacaggggtct	ctctctgtct	cctggggttg	agagcagtg	tgagctctcg	gctcactgca	3720
acctgcacatc	cccaggctca	agcaatcctc	tcacctcagc	ctcccagagta	gctgggggcta	3780
ctgtgtacca	ccacccctcg	gtaatttttg	tattttttgt	agagacgggg	tcttgccatg	3840
ttgcccagcc	ttgtctcaaa	ctcctgggct	caagcagtc	ttccacctca	gccttccaaa	3900
gtgttgggat	tacaggcatg	agccaccaca	ccctgcctgg	actgtattct	cttaagtgat	3960
ccatgaagca	aaaactatct	gctacagcca	ggtagggctg	cacaagcctg	tagtctcagc	4020
tactcaagag	gtggagcaga	aggatccttg	gagctcagga	gtttgaggcc	atcctgggct	4080
gcataaggag	actctgtccc	aagaaagcaa	taactatctg	ctgaactcca	taggacaact	4140
aaatgttact	atctttctgaa	acaaagtgtg	tattttttagc	cacctaacaa	tacattttta	4200
cctagaaccc	agtggatttg	tttattctac	agtatcaaaa	aaaattcaag	tatcaagtta	4260
tatctgattg	gtatcattaa	acttacctgt	gaagaagata	actataaaga	agcaatgttg	4320
tatttcatta	acatgaaaca	ttagagtatt	ttctgttttg	ggacttgtag	aagtttatgg	4380
acactaaaat	tatttgggct	ttttgcctta	gactcaatta	tgtttggaac	atctgtcaca	4440
gcaccttgtc	aactgcattc	tagaacattt	ctcctcctga	tggaataac	aacatgacct	4500
atgaggcagt	cttgcaaaag	aaaaaagaaa	tagcagaatc	taatctagcc	tttcaagatc	4560
ctgccacaat	ttataggaaa	taagagtaag	aggtaaagg	aacatattta	ttgacacctc	4620
agcaaatct	agcttctaca	gaaaaacgac	ccagtttcat	cccaaataaa	ttacaagaaa	4680
aaagagttag	gattacaaaa	gacttgagac	atatcaagca	attacaatgt	ggactttatt	4740
tgaatcttga	tttcacaaac	tgtgaaatat	atgtatttta	catatgacat	cttgagaaat	4800
atgaatactg	tgacttgata	tttgatctaa	ggaattacat	tgataattat	tgaagttggg	4860
tcatgagtac	ttagggatta	attctcttta	agtgtttttc	tcataaaaag	ttttaagtc	4920
ttgtagaact	aaaaaaatac	caaagatggt	ctaattttat	ttcatttttt	tctaagaaga	4980
ataatatttt	tcttttcttt	tttctttttt	tttttttttt	ttttttttat	gatgggggtc	5040
ctgtcatcca	ggctggagtg	caatggcgca	gtctcggtc	actgcaacct	ccatctctca	5100
ggctcaagca	accctccac	ctcagcctcc	caattagctg	ggaccacagg	cgtgtaccac	5160
cacgcctggc	tgattttttg	tatttttagt	agagatgggg	tttactatg	ttggctaggg	5220
tggtcttgaa	ctcctgacct	caagtgatgc	tcctgcctca	gcctcacaaa	gtgtggggat	5280
tacaggtgtg	agccaccgca	cctggccaga	aaaagagaaa	ataattttta	ttatagatta	5340
tcagtagtta	tgtatattaa	tgaagaattt	ggcttcattt	acctaattag	attaactata	5400
aatcattttat	gaatagtaat	agacttgaa	tgttacttta	tattacacag	ttggccctct	5460
gtacctgcag	gttctgcac	ctgggattca	actgtggatc	aaaaatatatt	gggggaaaaa	5520
aagcaataca	acaataaaaa	ataatacaaa	ttaggaaaaa	tatactacaa	gaactattta	5580
catggcattt	acattataag	taacctagag	atgacttaaa	gtatatgaga	agatgtgcat	5640
aggttatatg	caaatatgcc	atatgaggga	ctggaaaacc	cagggatttt	gggtgcctgg	5700
gggtcctctg	aactaatcac	ctgtgggatac	tgagggacaa	ctgtaattaa	attgattttt	5760
ggatggatgc	aactgatggt	aaatttggtg	ggggggaaat	gttaggattc	acaataacgt	5820
gagtactgtg	ggttggagta	gagaatatgc	ttttcagact	catttttcctt	tggaaattaa	5880
tagtaagggtc	tcaagtgtcc	cctacagcct	tgctactcaa	agtgggttcc	acaaagtgtt	5940
gacagtatgg	tactaaatag	aaagtggctg	atgagataat	gtagattgca	gaggggcaact	6000
gggtgtgtta	tatgcctgag	attatttggg	ttttccccc	tcaggcagaa	gctgaggaag	6060
attgtcattc	tgatactgtc	agagcagatg	atgatgaaga	aaatgaaagt	cctgctgaaa	6120
cagatctgca	ggcatgtttc	ttcaattgtg	tctttgattt	ttattccatt	gttcccatac	6180
atatgcagaa	attgatcata	atcatgggta	ttttaggtt	attactgttt	gcatggaatt	6240
taactgtttc	catactgggt	tatagaatac	ttaaaactat	gttatggctt	tctttgtgaa	6300
aagaaatatc	aataatgggt	gctttagatt	taacatgggt	ttaaagtatt	caaactaagg	6360
cttacgcgat	actcaaaacc	cataatctta	aaaagattga	tgggtttgac	cacctaaaag	6420
tttaaacct	gtgtataaga	aaaggcatca	taaataaagt	taagagaaat	agccagctgg	6480
aaaaactggt	tattatata	gggcagagga	ttcatctcat	tacatagagc	actcatatat	6540
ttggaagaac	agaggataaa	aagatatgag	tggactgtta	atggcaaaat	aatacaaatg	6600
gccattaaat	atttgaagag	ataattagcc	tcattaataa	tttaatcaga	ttggtgaata	6660
atgtgcatcg	ctgtccaagc	tgtgagaaca	ctcatgcagt	gtacatgaaa	atgtaaattg	6720
gtacagcttt	ctggagggca	gactgggtgat	atggatcaaa	atgaaaaaca	tgcattccct	6780
tgatacagca	attctacttc	caggaaatta	atttttaagga	aatagtgggg	aaagtaaata	6840
tgcaactata	aagatgttta	gtatagcatt	gtttatctgg	aaaaacatca	tacaacttaa	6900
atattcatta	cctgttatta	agtaatgatg	catccataca	gtgaaaacac	tacagccatt	6960
taaaaggatg	aagtaaatct	ttatacatta	aaagagaaaa	aaagttgctg	taactagtta	7020
agtgtgtctc	actgcacttg	taaggttaat	aataattatt	tggaaacagc	catctagtag	7080
acattgaaatg	ctgtctaaaga	ttctgcaggt	cagagatcta	tgtgtaacag	gttaaaagcg	7140
tagcaacaaa	gcagtgtaca	gaatatagag	aaaaattaat	ttaaaacatt	ctagatacgt	7200
cttttttaaa	aaaaaaaaaa	ggaagccagg	aataacatat	gcacccctgt	tagcaatggc	7260

gtgcctttggg	cagaacgtgt	aaccagttt	gggttcccc	ggaagcacac	taggtgaaga	7320
ttgctgtgca	ggaagtttat	taaggagtat	tcttgggatac	aacacctatg	gaagggagag	7380
agggaaacaa	atgggcaggg	agaagaccag	ctgcaatgca	gtcttaaatgg	actgcttagc	7440
catcctcgag	ggagttctga	agatgaaata	ccctttcaga	gatgacctga	gttgcaaaga	7500
gccaagactt	tattagccgt	tgatcagtca	ttgggtgggg	attgagagga	cagtgtgatt	7560
ttgctgaggg	aatacccaa	agggctgaca	actcaagtgt	tttcagatag	aactctcagc	7620
agtttgggta	acaagttctt	tatttctgaa	agggaaatctg	ggcaacacac	cagagtctac	7680
cttatagggt	tcacttttta	tgtgctttta	attttttttt	tttttgagat	ggagttctgc	7740
tccattggcc	aggctggagt	gcagtagcac	gatctctgct	gactgccaac	ctctgccacc	7800
cgagttcaag	caattctcat	ggctcagcct	cccaagtagc	tgggattaca	ggtgcccgcc	7860
accacacctg	gctaatttgt	ttgtattttt	agtagagaca	gggtttcacc	atgttggccg	7920
ggctgttctc	gaactcctga	cctcaggtga	tccgtctgcc	tggcctccc	aaagtgctgg	7980
gattataggc	atgagcctct	gtgcctggcc	tttacatttt	tgaaataaca	aatatttgaa	8040
aaaacatttt	ctttttgaaa	tacagaatgt	taatagattt	tgggcttacc	tacagaattt	8100
ttggcagcat	tcttaatgtc	tactagatga	tatagtcat	aaaaaattat	tggaagctta	8160
taatttcagt	ctgtaagtga	tggcttata	tttcaattct	aattaaaaat	tggttttcca	8220
tactaatttt	acttttgggt	tactgacatg	tattttatgc	taattttctt	gattctttaa	8280
gttttgagca	gaaaatttatt	ttaaaagatg	tatttaatgg	atatttaata	attcagaaga	8340
cagtgatttc	tggactttaga	gtaataagta	tatacgtgga	agtagataga	tgttggacat	8400
attgatacat	tgttccagag	ttgagctacc	cttccttgat	gagtcctaaa	atgctgttct	8460
ccccataggc	acaactccag	atgttccgag	ctcagtgga	gtttgaactt	gctccaggtg	8520
taagctctag	caatttagaa	aatcgacctt	gcagagcagc	aagaggctct	ctccagaaaa	8580
catcggcaga	taccaaagta	aaacaagaac	aggcaaaaga	agaaaagtta	agtattatag	8640
atattgtaac	aaattacatt	tttttttttt	ggcacatgga	aatttttact	gacacagtaa	8700
gtaggcata	taaccagact	ttcgggacat	aaacacatat	cttgtaaaat	aaaaattttg	8760
actagtatac	tagtttatat	atttctcaca	atttcttcta	ggtaacttgg	atggtaccac	8820
tactcctgca	tggctttttt	ctctgtgggt	acactgtctt	cattgagctg	tcttttgta	8880
atttatagac	ctctgggatt	catgtgggtc	ctaaaagatt	ggtgtctctg	aattttattaa	8940
cagaaccaa	aagaaaaaac	agaattttct	aaatttatta	atagaaccaa	aaagattgct	9000
cacatgttaa	tgtctttcca	gaggtcttaa	tttcatgcag	tattttgtta	tattttgaat	9060
tgatcagctt	acaataatgc	attaatcatt	tccttattct	ggaaaatttt	gaaatatttt	9120
cacactgaaa	atattttgaa	tgctgtctaa	cattcatatc	tcttctggta	cttactcaca	9180
cagagtaggc	acagcatacc	atttctattc	ttattcttcc	atagaggctg	ccatcttttt	9240
accatcagat	ccaagtttgt	gtttataatt	agtcatacaa	taattggcat	taccatgatg	9300
acttaccttc	tatctctctc	taatttttat	tttgaataaa	ttacaggtcc	acaggtagatg	9360
ggaagtccctg	tgtgcccttt	aacctctctc	gatggtaaca	acttgcataa	ctatagtaca	9420
atatcaaaaa	cgaggaaata	gacattggaa	caatccacag	tttacttgga	tttcttgagt	9480
ttacaagcac	ttgtctgtgt	gtatgtgtat	aaatagttgt	ttgcagtttt	attacaaggt	9540
agcttcatgt	aaccaccacc	acaatcaaga	tacagaactg	ttttatagtt	atatactccc	9600
tttccctagc	cattcgtaac	cactggcaac	cactagtctg	ttctccattt	tgtaattttg	9660
atattccaag	aatgttgtat	aagtggaaac	atccagatg	taaccttttg	agattggctt	9720
ttttcactaa	gtataatttc	ctcagaatca	gtccaagtga	ctatgtatga	gtagtttgtt	9780
cctttttatt	gcagaatagt	attgcattgt	atggagtgtac	ccaggtttaa	ccatttatgtg	9840
gttgaaggac	atttgagttg	tttccaatat	ttggctgtta	tgaatggagc	tatggaaata	9900
tgtgtgtagg	ttttctcatg	aacataattt	tcacttctct	gggatgaaac	cccaagagta	9960
caattgctaa	gttctatagt	aagtacatgt	ttgattttta	aagaaactgc	caaagtgttt	10020
tctagagtat	cttatattaa	gttcccacca	gcaatgtatg	agtgatccag	ttcatcctca	10080
tcagcattta	gtgttgctac	tttttaattt	aatttaatta	atttattttat	ttatttttaag	10140
acagagtctc	actttgtcgc	ccaggctgga	gtgcagtggt	gtgattccag	ctcactgcaa	10200
cctctgectc	ccgggttcaa	gcgattctctg	tgccttggcc	tcccaaatag	ctgggattac	10260
agggccggtc	agtaacgctg	ggctaatttt	tgtattttta	caaatttgta	ttttgtatct	10320
agaatcgaaa	aagaactttc	aaaacacaat	ataaaaaata	ttagcaatct	agctgggtgc	10380
ggtggctcac	ttctgtaatc	ccagcacttt	gggagcctgg	ggtttcacca	tgttggctcag	10440
gcttgtctcg	aactcctgac	ctcaagcagt	ctacctgctt	cagcctccca	aagtgtctggg	10500
attacaggag	tgagccactg	cacctggcct	ttaattttat	taatagccat	tctgataggt	10560
atgtagtggt	atctcattgt	catttttaatt	tgcatttctc	taatggcttg	tgatgttgaa	10620
catcttttca	tgtgcttatt	tttcatctat	taatataatat	tctctctctc	aaatatctgt	10680
tgatgtcttt	tctaattgga	ttacatata	atatataaatt	tttttttttt	tttttttttt	

gtttcatctt	gttggccagg	ccagtgtcga	actcctggcc	tcagggtgatc	tgccgacctc	10980
agcctcccaa	agtgctggga	ttacaggcgt	gagccaccgc	gcccgagccag	atgctaatat	11040
ttttgatggt	gtgttttgga	agttctttat	tctagatgca	agtcttttat	tgaatatgtg	11100
gcttgtaaat	attttcatcc	tcttaacagg	gcatttcaca	gagcaaaaat	ttttaatttt	11160
gacaagggtcc	agtttatcag	tttttccttt	tgtgaatggg	gcttttggtg	tcaagaactc	11220
tttgcctagt	cctaggtctc	caagattttc	tttgttttct	tttcttctaa	aaggttttatg	11280
gattttacat	ttaaagccat	gatccagtc	agttaatttt	tatgtaaagt	atgaggttta	11340
gggtcaagggt	cattaatttg	cctatgaata	tccagttatt	ttgcacaatt	tattaaaaag	11400
gctctccttc	tgccatccat	actaattttt	aatgcagggt	ttcaaaaatt	tttactttat	11460
atttttatag	gctcgagaac	tcttcctaaa	agcagtagaa	gaagaacaaa	atggagctct	11520
ctatgaagg	aaaaattcag	agcccagggt	catatcataa	catttctgaa	taatgactct	11580
gttattaacc	atattttttt	tcttataact	tatttggtat	agaacatcac	ttttcttaat	11640
acattcttcc	ttcagtactc	attggaaatt	ggttccagg	ccctttgtag	ataccaaaat	11700
gctcaagtcc	tttatatgaa	tgggtgaata	tttacaata	acttacttat	tatgtaaata	11760
gttattatac	tgtatttttt	tttaatttgt	atttatttta	aatatttttg	atctgtagtt	11820
gggtgaatca	gagaatgtga	aacccatgaa	tacagagggc	cagctatatt	tgaaattggt	11880
ttttaaaaaa	taaaaaatag	aaattgtttt	tctatataac	ctgtcttttt	gcaaaaaaat	11940
attgctggga	aacatcatca	tgttggttag	atgagcaaaa	taactttttt	ttacatttag	12000
ctttagttat	tcttcattaa	taaagtattt	aaaaattatt	catttttaaaa	tatgctcttt	12060
ttataggtga	aaattgcttc	agaggatggg	aataataaagg	ataaattgag	gaaaaaatac	12120
atgtttttct	ttctaagttc	caatttacc	attaccaaca	gaaatatgtg	gtaatggccg	12180
ggcgcggtgg	ctcacgcctg	taatcccagc	actttgggag	gccgagggcg	gcggatcacg	12240
aggctcaggag	atcgagacca	tcccggtcaa	aacgggtgaaa	ccccgtctct	actaaaaata	12300
caaaaaatta	gccggcgtag	tggcgggcgc	ctgtagtccc	agctacttgg	gaggctgagg	12360
caggagaatg	gcgtgaaccc	aggaggcgga	gcttgacagt	agccgagatc	ccgccactgc	12420
actccagcct	gggcgacaga	gcgagactcc	gtctcaaaaa	aaaaaaaaaa	aaaaaaaaaa	12480
aagaaatatg	tggtaatata	tgtgtcagct	ttgtgtcttt	tattaaccca	atagaaatgt	12540
gtaataaaag	tgataggact	atttgccata	ttaggtttgt	aattatgctt	tcctttttgtg	12600
atagtaaaag	taataattga	tgcataggaa	aaatccttgt	gcttgaatcg	tttgaaaatg	12660
ccccaaaact	aacatcattc	agagttactg	catttatatg	caagtttctt	ctagtgatat	12720
ttttcttttag	attttttagaa	aggcccagtt	gatcaagtcc	ctgtgcagcc	ttcatttggtt	12780
tgtgaaattc	gcatctccac	ttagtgtatg	gtgtaattca	tccagaataa	tagaacatgg	12840
cagaatatat	tgaatcataa	actcctttgt	agggaaaaag	aactagtcag	cctctacagc	12900
tccaagttct	actggtgtat	ctctgtgggg	agagttattg	aatattacag	ctctaaacta	12960
cctgtctagg	aaatttgtaa	aaaataagtt	ttgaagatta	cttaggtaaa	taagaggcag	13020
ctggggctaaa	agaagttaaa	tttaaaggat	aattttaaaaa	caaaaacaaa	aactattctt	13080
tattccaccc	agttaggaagc	atttaatttt	cctcaactct	gtgtcttaga	aaagtttgct	13140
tagaagtgtt	tttggccagg	catggtagct	gacacctcta	atctcagcac	tttggcaggc	13200
tgaggcgga	ggatcgcttg	aaccaggag	ttcaaggaca	gctggggcaa	tatagcaaga	13260
tgttgtctct	acaaaaaatt	taaaaattag	ctgagtgtgc	tggctggggc	atgcctgtag	13320
cccagctac	tcaggagact	gagggtgggag	aatcacttgg	acctgggagg	tggagtctgc	13380
agtgaagcaa	gatcggtcca	actgcactcc	aacctggaca	acagagttag	accttgtctt	13440
aaaaaagaga	gaagtatttt	tgttggttat	agcaattgca	tcttcagagc	ccaaagaaag	13500
acaactattt	aaaaatcatg	atacgtaaag	gggtgaggaa	aaatatggga	agggctaata	13560
tataagagta	aaatacaaca	tcttaagttt	agggaaaagt	ttctttctga	gcattaaggt	13620
ttggaaatag	ttttgtgtca	ctgaactgtc	gttgcatgta	gaaaaacaga	atttggccgt	13680
ttgtaaaaga	agttaccaaa	ttaaaccaca	gttaagggt	atcaaaggaa	atgacaaaaa	13740
tgtgtggtca	cagctaattt	agcttttatt	cttcttttag	ccatcaagtt	ttatcgtagg	13800
gctatgcaac	ttgtacctga	tatagagttc	aagattactt	ataccgggtc	tccagatggg	13860
gatggcggtg	gaaacagcta	gtgcgtatat	aatttgatag	atagtaatgc	atagagtttg	13920
ttaaagttaa	gcatctttgc	cctgttgact	cttaagatgg	tgctaattct	gttgagctct	13980
atactcttta	gtatatcttt	gtttataaag	ttgtagaaat	tttttattag	ggaaattgca	14040
agataacaca	tagaaatgca	cctttttaaac	agatacaaaa	ataaacagat	acaaaaataa	14100
acagatacaa	aaaaacgggt	taaaaaaata	aaagcagtag	ttactgaaag	gagtaaatta	14160
aaggacacat	ttcaactttc	tgaacacct	ttgaagtaga	aagtttttaa	atgtaattag	14220
gctaaatttg	gcataatatt	aataatgggt	aaaattgagt	gatgggtaca	tgggagttaa	14280
ttacactagt	ttccttacgt	atatgtttga	aattttacat	tttaaaaaag	gcttctaatt	14340
aggaaaatgc	tgaactataa	aagatgttat	tattctctta	atgttttttag	taaaacatta	14400
aaactctaac	atttatttta	aagcacagg	gcagaatata	ttcctaaaag	aaatcatgtt	14460
tgaattgtat	agttgccact	gcatcaaagc	catgaagtag	cattgggttt	atatggataa	14520
agatcaagaa	aacttatttt	taaggcaata	cttttgcaag	acaattataa	aattgttttg	14580



gcttaattgc	actatctccc	aaaactcaat	ttgctgatat	tagaagagaa	gggagtctgt	14640
acccatgaga	gaatgtcagg	ttaaaaaatag	acagtagacaga	gaaaaaagtt	ttggtaatatga	14700
aataattatat	tagctatttat	attaatatatat	tccctctgtc	atgaaataat	tgtcaccttt	14760
attgataaca	tatgcttatt	gccaatgttt	tttaactgca	tatgggtatta	acacttaagc	14820
tttgataag	tcatattaaa	aacattccca	acaagggtcaa	tattaatagc	ctgttttaaat	14880
tttcagctaa	taataattgtt	caccaaatta	gagttaacag	tatgaggtag	ttcatactta	14940
aaatgaatca	cttgggtttt	ttctaaacct	tctttaaatt	tgggttagagt	cgttttagact	15000
cagctcttag	ccagttttat	aaatatgtgc	cagatgctgt	taagaaagat	tgtattaaaa	15060
tattaaagag	gcattttcttt	tctttcccat	tttttataca	aaccagacg	ctatgaaagt	15120
tctttaagga	ttcatctttt	ttttttaaat	aagatctgat	aagccctaaa	agtttgcctt	15180
tttttttctt	tctgttaaca	tgttttaga	atagccattg	agtcacatcta	gcctcaacca	15240
cacttatatt	ttgttgatt	acaaaatgcc	cttcttggtt	tttttttttg	tttttttgtt	15300
ttttttaagt	ctacatcact	tgaacttcc	tggttttcta	acttcgcctt	catccaatcc	15360
tctttgtaag	tctgatcatc	tttaagggtt	acttcagtaa	aaatagaaag	ctcatttttc	15420
tagcaccatt	cactacacat	ttgtgtatac	tggtagatga	tttgtgaacc	ctaagatgtt	15480
ttcaaagtag	gtattttcct	ctctaaaggt	aggctgataa	ggcaaactctg	ttagaaaacc	15540
cttggttaagt	aagtacctca	gatgacgtct	gtagatttgg	tttttatcca	gttagaataa	15600
attaagggtta	aagaacatac	tacgttaaga	tttttgaaac	catttgaaag	cttgtagtaa	15660
ctcataaaa	ctctacttta	caataaaaatt	agttaaatct	caacacctgt	atccaaaaat	15720
tctaattctt	tctggatgat	aattactgaa	gcttttttct	ttgaaaaact	tgatacagta	15780
ttcctttgca	agacaggata	aattcatcac	atttataaat	gtatcacatg	ttgaataagc	15840
tttaggtgac	tttttgtaaa	gcaaatttga	aaatgctatg	aaaaatcagt	ttctaaactg	15900
tacgcttgta	gactgaggca	cttaatttat	tcacctccct	tttttcagca	ttgaagataa	15960
tgatgatgac	agcaaaatgg	cagatctctt	gtcctacttc	cagcagcaac	tcacatttca	16020
ggagtctgtg	cttaaactgt	gtcagcctga	gcttgagagc	agtcagattc	acatatcagg	16080
tgtgaataact	tgtttttcat	aactcagtga	gaaatatctt	aaccttaag	atttccaaat	16140
ttataagggtc	agataatttg	ccagataact	gctgctttag	ttcagaatat	ggtggaagat	16200
ctagttataa	ttatcatttg	catatactat	taagctgttt	tgtgttttgt	tttgtcttgt	16260
tttgtttttt	gaaatggaga	cgtgccctgt	caccaggtc	ggagtgcagt	ggtgcaatct	16320
cggctcactg	caacctctgc	ctcctgggtt	caagcaattc	tgctgcctca	gcctcccaag	16380
tggctgggat	tacaggcgtg	tgccaccaca	cccagctaaa	tttttgatc	ttcagtaaag	16440
acagagtttc	accatgttgg	ccaggctggt	ctcgaactcc	tgacttcatg	atctgcccac	16500
ctcggcctcc	caaagtgtctg	ggattacagg	cctctgaggc	actgcgcca	gccagtagt	16560
aagctgcttt	acaatctgaa	gcagaacagt	ttgtagtgtc	gttgtttaag	gatgccatac	16620
ctttttcagt	aaagatctaa	cagggttaagt	ctgagttgtt	gaggtagccc	taagaaaact	16680
ggaggaatac	tggtatcatg	aagcatttca	gccatgttgg	acaattgtcc	tgagacagac	16740
tgaatgttta	ggaattaatg	gatttttgtt	cgggcatggt	ggctcacgcc	tgcaatctca	16800
gcattttggg	aggctgagtt	gggaggatca	cttgaggcca	ggagttcaag	ataagcctgg	16860
ccaacatggg	gaaaccccac	ctctactaaa	aatacaaaaa	ttagctgggc	gtcgtggcgc	16920
atgactgtag	tcccacctac	ttgggaggct	gaggcacgag	aattacttga	accagaggag	16980
cagaggctgc	agtgagctga	gattgtatca	ctgcactcca	gcctgggcaa	cagagcaaga	17040
acctgtcaca	aaaaaaaaaag	aaattcatgt	atttttaata	tgttaaatat	tgtttggttc	17100
ggggcttttt	cagaggagga	caattaaaag	ttttcaagga	gatgaaaata	acttttagtgt	17160
taatagatgc	aatatggatc	acacacacat	agattatttt	cctaaaacat	ttatttttaat	17220
atgtctggga	aaataatctt	atgagggaaa	agagtgcctt	ataaaaagta	gcttcagatc	17280
tatactgaaa	aaacaaagat	atttatgtct	tgatgttaag	aaccattatt	attatttagt	17340
agctaaatac	attcatgctt	tagctctgag	caatacacag	ggtgtgatta	taaattttcta	17400
ggaaggata	aatgtactgg	gaatgtagtt	gtgacaatag	aatgacatag	aggagagtca	17460
ctgaaggatg	attttctttt	gcagtgtctc	caatggaggt	cctgatgtac	atcttccgat	17520
gggtggtgtc	tagtgacttg	gacctcagat	cattggagca	gttgtcgctg	gtgtgcagag	17580
gattctacat	ctgtgccagg	tactaagttt	ttgtttttgt	tttttaaaaca	actgaggcaa	17640
tggtgaaaag	aaagatgggtc	ctttgccaat	cctgataaaa	ttacttgatt	ggtgttctga	17700
gttaaagctt	agaataaaca	agttttgtcta	agctgtactt	aactttctca	aataacttag	17760
aatttaaagg	ctagaatatg	ctaggtttct	agggtataga	ataatatgta	ggacagatgt	17820
agtaacccat	actactacca	tagagttttac	atgctagctt	aactgatttg	ggaaaaagag	17880
ttatattaga	aaaatatatt	caagtcattt	ttacactaac	tgtaaactca	ttgtggtaat	17940
ggtttagatt	aaaacagcac	tagcattttc	ttatggctca	ttaaaagtta	ttctatattt	18000
tgaa						18004

1. Demographics	
Age (years)	50.0
Gender (Male/Female)	50/50
Education (High School/College/Postgraduate)	50/50/50
Occupation (Professional/Managerial/Service)	50/50/50
Marital Status (Married/Single/Divorced)	50/50/50
Religious Affiliation (Protestant/Catholic/Jewish/Muslim)	50/50/50/50
Political Affiliation (Democrat/Republican/Independent)	50/50/50
Health Insurance (Private/Medicaid/Medicare)	50/50/50
Income (Low/Middle/High)	50/50/50
Smoking Status (Smoker/Non-smoker)	50/50
Alcohol Consumption (Regular/Occasional/None)	50/50/50
Exercise Frequency (Daily/Weekly/Monthly/None)	50/50/50/50
Stress Level (Low/Medium/High)	50/50/50
Family Size (Small/Medium/Large)	50/50/50
Travel Frequency (Frequent/Infrequent/None)	50/50/50
Living Situation (Single/Partner/With Family)	50/50/50
Home Ownership (Owner/Renter)	50/50
Vehicle Ownership (One/Two/None)	50/50/50
Internet Usage (Frequent/Infrequent/None)	50/50/50
Cell Phone Usage (Frequent/Infrequent/None)	50/50/50
Video Game Usage (Frequent/Infrequent/None)	50/50/50
TV Viewing Hours (Daily/Weekly/Monthly/None)	50/50/50/50
Reading Frequency (Daily/Weekly/Monthly/None)	50/50/50/50
Volunteering (Frequent/Infrequent/None)	50/50/50
Charitable Giving (Frequent/Infrequent/None)	50/50/50
Political Participation (Frequent/Infrequent/None)	50/50/50
Community Involvement (Frequent/Infrequent/None)	50/50/50
Religious Participation (Frequent/Infrequent/None)	50/50/50
Health Care Usage (Frequent/Infrequent/None)	50/50/50
Medication Usage (Frequent/Infrequent/None)	50/50/50
Supplement Usage (Frequent/Infrequent/None)	50/50/50
Alternative Medicine Usage (Frequent/Infrequent/None)	50/50/50
Health Status (Excellent/Good/Fair/Poor)	50/50/50/50
Chronic Conditions (None/One/Two/Three/More)	50/50/50/50/50
Disability Status (Disabled/Not Disabled)	50/50
Long-term Care Usage (Frequent/Infrequent/None)	50/50/50
Assisted Living Usage (Frequent/Infrequent/None)	50/50/50
Nursing Home Usage (Frequent/Infrequent/None)	50/50/50
Home Care Usage (Frequent/Infrequent/None)	50/50/50
Medical Device Usage (Frequent/Infrequent/None)	50/50/50
Health Monitoring (Frequent/Infrequent/None)	50/50/50
Health Education (Frequent/Infrequent/None)	50/50/50
Health Communication (Frequent/Infrequent/None)	50/50/50
Health Decision Making (Frequent/Infrequent/None)	50/50/50
Health Beliefs (Frequent/Infrequent/None)	50/50/50
Health Attitudes (Frequent/Infrequent/None)	50/50/50
Health Expectations (Frequent/Infrequent/None)	50/50/50
Health Satisfaction (Frequent/Infrequent/None)	50/50/50
Health Quality of Life (Frequent/Infrequent/None)	50/50/50
Health Functioning (Frequent/Infrequent/None)	50/50/50
Health Status (Frequent/Infrequent/None)	50/50/50
Health Care (Frequent/Infrequent/None)	50/50/50
Health System (Frequent/Infrequent/None)	50/50/50
Health Policy (Frequent/Infrequent/None)	50/50/50
Health Research (Frequent/Infrequent/None)	50/50/50
Health Education (Frequent/Infrequent/None)	50/50/50
Health Communication (Frequent/Infrequent/None)	50/50/50
Health Decision Making (Frequent/Infrequent/None)	50/50/50
Health Beliefs (Frequent/Infrequent/None)	50/50/50
Health Attitudes (Frequent/Infrequent/None)	50/50/50
Health Expectations (Frequent/Infrequent/None)	50/50/50
Health Satisfaction (Frequent/Infrequent/None)	50/50/50
Health Quality of Life (Frequent/Infrequent/None)	50/50/50
Health Functioning (Frequent/Infrequent/None)	50/50/50
Health Status (Frequent/Infrequent/None)	50/50/50
Health Care (Frequent/Infrequent/None)	50/50/50
Health System (Frequent/Infrequent/None)	50/50/50
Health Policy (Frequent/Infrequent/None)	50/50/50
Health Research (Frequent/Infrequent/None)	50/50/50
Health Education (Frequent/Infrequent/None)	50/50/50
Health Communication (Frequent/Infrequent/None)	50/50/50
Health Decision Making (Frequent/Infrequent/None)	50/50/50
Health Beliefs (Frequent/Infrequent/None)	50/50/50
Health Attitudes (Frequent/Infrequent/None)	50/50/50
Health Expectations (Frequent/Infrequent/None)	50/50/50
Health Satisfaction (Frequent/Infrequent/None)	50/50/50
Health Quality of Life (Frequent/Infrequent/None)	50/50/50
Health Functioning (Frequent/Infrequent/None)	50/50/50
Health Status (Frequent/Infrequent/None)	50/50/50
Health Care (Frequent/Infrequent/None)	50/50/50
Health System (Frequent/Infrequent/None)	50/50/50
Health Policy (Frequent/Infrequent/None)	50/50/50
Health Research (Frequent/Infrequent/None)	50/50/50
Health Education (Frequent/Infrequent/None)	50/50/50
Health Communication (Frequent/Infrequent/None)	50/50/50
Health Decision Making (Frequent/Infrequent/None)	50/50/50
Health Beliefs (Frequent/Infrequent/None)	50/50/50
Health Attitudes (Frequent/Infrequent/None)	50/50/50
Health Expectations (Frequent/Infrequent/None)	50/50/50
Health Satisfaction (Frequent/Infrequent/None)	50/50/50
Health Quality of Life (Frequent/Infrequent/None)	50/50/50
Health Functioning (Frequent/Infrequent/None)	50/50/50
Health Status (Frequent/Infrequent/None)	50/50/50
Health Care (Frequent/Infrequent/None)	50/50/50
Health System (Frequent/Infrequent/None)	50/50/50
Health Policy (Frequent/Infrequent/None)	50/50/50
Health Research (Frequent/Infrequent/None)	50/50/50
Health Education (Frequent/Infrequent/None)	50/50/50
Health Communication (Frequent/Infrequent/None)	50/50/50
Health Decision Making (Frequent/Infrequent/None)	50/50/50
Health Beliefs (Frequent/Infrequent/None)	50/50/50
Health Attitudes (Frequent/Infrequent/None)	50/50/50
Health Expectations (Frequent/Infrequent/None)	50/50/50
Health Satisfaction (Frequent/Infrequent/None)	50/50/50
Health Quality of Life (Frequent/Infrequent/None)	50/50/50
Health Functioning (Frequent/Infrequent/None)	50/50/50
Health Status (Frequent/Infrequent/None)	50/50/50
Health Care (Frequent/Infrequent/None)	50/50/50
Health System (Frequent/Infrequent/None)	

```

<400> 8840
gggtcatggg  tcatttacgg  cctgggtctc  cccctctcct  ccctcctcct  tctctccaac      60
ctgctttctt  gctgctgga  gggggtgtgc  aggcctcccgt  gtgcctggca  cagcaggggc     120
agcacaggag  actccatggg  gcctgtgtcc  cgcacccccca  cgccccgcc  cccagccaca     180

```

gccctttgag	agcacagcgg	aatgaacgcc	tgattaggaa	tcagatgcc	gaaagaagct	240
gtgtctgttc	caaaatcaag	agaccaggag	aagtgcgctc	ctttaaaagg	agagagctaa	300
gtgacagaga	gggggcttgt	ccccagccca	ggcacctcgg	ggctgcaagc	tcctttgaga	360
tgcggggctc	aggcctcatc	aggggaaacg	tgggcatcta	gatgaccctc	cacactgagc	420
agaccagca	caggctgcgc	cactcatcat	tataggctgc	gccactcatt		470

<210> 8841  
 <211> 89  
 <212> DNA  
 <213> Homo sapiens

<400> 8841						
tttttagatg	gagttttgct	cttggttccc	aggctggagt	gcaatggcgc	aatcttgact	60
cactgcaacc	tccgcctccc	gggttcaag				89

<210> 8842  
 <211> 1616  
 <212> DNA  
 <213> Homo sapiens

<400> 8842						
ctgcagtctc	cctagcatct	gttattttatt	gacttttttaa	taacagccat	tctgaccgct	60
gtgaaatggg	atctcattat	ggttttgatt	tgcattttctc	taattgtag	tgatgtggaa	120
cattttttca	tatgtttgtt	ggctccttgt	atgtcttctt	ttgagaagt	tctgttcatg	180
tctttttgcc	agtttttaaa	gggattttgt	ttttgcttgt	tcacttgctc	acactttttt	240
ttttttatag	attctggatg	ttagaccttt	gtcagatgca	taatttgcca	acattttttc	300
tatttttgtag	gttgtctgtt	tactccactg	aaagtcttct	ttgtagtcca	gaagctcttt	360
aattagggtc	cactgtgcaa	tttttatatt	tgttgcagtt	gcttttaagc	acttagtcat	420
aaattctttc	ccagagccga	tatctagaat	gggttttctt	aggttttctt	gtaaaattct	480
tatagtttga	gggtcttacac	ttaaatat	aatccatctt	gagttaattt	ttgtatatgg	540
tgaaaggtag	gggtcctttc	accatagaat	aaaacgttgt	ttcattcttt	tgcatatggc	600
tagccagcta	tctcagcacc	atttactgaa	tagggaatcc	tttccccatt	gcctattttt	660
tggtgacttt	gtcaaagaac	agggtggctgt	agggtgtacag	ctttatttct	gggttctcaa	720
ttctgttccc	ttgggtctgt	tgtctgcttt	tgtaccagta	ccatgctgtt	tgggttactg	780
tagctttata	gtatagtata	aagtcaggta	atgtgatgcc	tcagctttgt	tcttttttgt	840
tgggattgct	ttgggttatt	gggttctttt	ttgggtccat	atgaatttca	gaatagtttt	900
ttctagttct	gtgaaaaatg	acactgggtca	tttgatagga	ataacattga	atctatagat	960
tgctttgaga	agtatagcca	ttttaacaat	attgattctt	gtaatccatg	agcatggaat	1020
gtttttccat	ttgtctgtgt	catctgtgat	ttctttcagc	agtgtttcct	agttctcttt	1080
gtaaagatcc	ttcacctcct	tgggttagatg	tattttctagg	tactttgttt	ttttgatggc	1140
tatcgtaaac	aggattgtgt	tcttcatttg	gctctctagc	ttggatgtta	ttgggtgata	1200
gaaatgctac	tgattttttg	acattgattt	tgtatcctga	aactttacca	aagttgtatg	1260
tcagttccag	gagccttttg	gtggagtcct	taggggtttcc	catgtgcaga	atctcatgat	1320
tccttaaaaag	catgcatttc	tacttaaac	atcatgttta	cttttctaga	gagcaattaa	1380
cttgagggtg	gggtgccggg	agggttaggtt	gcttttgtaa	tattaatgga	tgtacaccaa	1440
gaatattgct	tctgagaatg	atcttatcct	cattgggaaa	gatttttctg	tttttagttg	1500
aaattgagat	gaaatacatc	ttattataaa	taaattttga	ctcttactaa	tgattacagg	1560
attgtagaca	attaactgtc	tttcctcatg	ctgagtacat	aaaaaaaaa	aaaaaa	1616

<210> 8843  
 <211> 489  
 <212> DNA  
 <213> Homo sapiens

<400> 8843						
atagctcaga	gtgtatgttt	ctagacttca	ctctctacat	acacaaaatc	ataaataaca	60
tcttttatat	tactttttta	tttagttttt	aaagtaaagt	cttttttaaag	ttttttcttt	120
taaaaataaa	tgcctttttt	cccctaaata	tctgtctctt	ccaacagaac	ttcctcaaca	180

atttccaaac	tgctaaagaa	gctttgagta	cagccacagt	ccaggctgca	gaaagagctg	240
cttccagcat	gaaagacttg	gctcaaaaaga	gtttccgcct	tttgatggat	attaatttga	300
aagcaccagt	tattattatt	cctcagtcct	cagtatcacc	taatgctggt	atagcagatc	360
tgggtttaat	cagagttgaa	aacaagttta	gcttgggtcc	tatggaacat	tattctcttc	420
ctccagtcac	tgataaaatg	aacatcgaac	tcactcagtt	gaagctgtca	aggtataaat	480
atgtaattct						489

<210> 8844  
 <211> 342  
 <212> DNA  
 <213> Homo sapiens

<400> 8844						
tgagaactca	ctatcacaag	aacagcatgg	gggaaactgc	ccctgtgata	cagtcacctc	60
ctaccagttc	cctcccttga	cactggggat	tacaattcga	gatgagattt	gggtggggac	120
gcagagccag	accatatac	atgggctgaa	ggatttaa	ctgcctattc	ttcttagtgg	180
ggctgccaat	caaaactttt	aaaaatcata	tttttttttc	aaagaaagat	aatttcaact	240
cttttggact	tcacttggtt	atttcagttg	ataatccaac	tatttttagat	tcagggcata	300
catgggcagg	cttgctacat	gagtatat	catgatgctg	ag		342

<210> 8845  
 <211> 1197  
 <212> DNA  
 <213> Homo sapiens

<400> 8845						
cgagatcaca	ccactgtact	ccagcctggg	tgacagagcg	agactgtcca	aaaaaaaaat	60
tgataattaa	atgttaaaag	tcagcgactc	cagtaatacg	tggtgggctg	agtattagac	120
tactggctta	catcctctga	tgtcattact	ttcttggtcg	tttgtagactt	gaggttggtg	180
tttaagcaaa	tgtattttgtg	gctttttacc	aaggctcatat	ggccagataa	cttttcaaaa	240
gcattagtta	aagaattctg	attagtttga	attagaaaca	aaactcaaag	aacatgacct	300
aattttaacag	gttaattttga	agtgcactctg	ccaagtagaa	gaccagcaag	aaaaaaaaaa	360
tgggttccta	ggaagaggta	gtaggttgca	tagtttttagg	gcagggattt	tgcccacaag	420
gaggttaacta	tacgacctgc	tgccctttctt	agggccttat	tattcaccca	taacctgttt	480
ccttgctact	ttgctttggg	gtaagcagag	ttctttctgt	aggttttttc	aatgaaaac	540
attgcaagaa	tatcaaagag	agcagtgttt	gcgttagtga	ttataaactg	cagcatgggtg	600
ctgacattga	taactgaaag	tcaactaatg	agaatttgag	acttctgaag	tacacttagt	660
tgctagtgtc	tcccttttgg	tgctactgga	aagtttagaa	agcatgggtt	tgtttttgct	720
cagggtttctc	tttctgtgat	gcagagactc	tcagctgttc	ctcctctatg	tctacattat	780
gtctgaagga	aagaatttaa	caaaacttga	aatactgctg	tttttctaca	atgtttgtaa	840
atatttatct	tgctgctttt	ctaggtttgt	cttctggatt	taaaatttgg	ggcggctggg	900
gtggaattgc	atggtttggg	aatgggtaat	tgagctgctg	ctcattatgg	tatgtaacag	960
tgatttgtct	gtttaatatg	tacaagaact	ggaaggtcaa	taaaatgaaa	gtgggtgtct	1020
tgactgggta	atagtgttac	atattttgtt	aaaagttata	catcttttca	ataaaaacac	1080
tgatacttc	aaaactagtg	ctttttaagt	catccttaac	ccttatcccc	atccttgcag	1140
tagtagatgc	atttttcatt	tgtaattatt	atgatttggt	cttagtttca	tttttca	1197

<210> 8846  
 <211> 2248  
 <212> DNA  
 <213> Homo sapiens

<400> 8846						
ttaactctgg	accaaagtga	tgctttttgt	tttatccact	gtggacagct	gcatagataa	60
ttgggtctttg	ttctaaactg	cacataaaaa	catgggagaa	aatgacattt	gttgccctttt	120
gatgtgccaa	agaagagtgg	gaatgttcta	agaattcttt	ttggcttaat	ctttgttgaa	180
ttgaaaatat	gtataactct	tctgctgaaa	gtgtagcaag	tacagtcatg	aaattttgtg	240
gtcttcctga	catgtttctc	cagcataacg	ttgccacctt	cagttggaaa	cgtatcctta	300

tctaataatt	aagccctgga	gaaaaattaa	tttatatatt	ttattaatta	cataaggaca	360
ttgttattag	ctaagcagag	taagtaaate	gaaataaaac	tttaaaaatg	cctttatgga	420
gagaatgact	atctctgaaa	gcttgttttt	aatgatgata	aaattcatga	tcagaatttg	480
tttctgtttg	ctttaattca	ggggtcaaaa	actgaaatac	catcagaggc	ccaggagggg	540
ctagttgtaa	ctggcacaata	tagtaaatta	atttgctctg	gttgataggt	agcaagcagg	600
gtttatatac	attgtcacct	actttttccag	ttaacaggag	agactggaga	ttttatgaaa	660
tttgatattt	aaatgttggg	aactgggttg	ggcaccatgg	ctcacacctc	taatcccagc	720
acttcgggag	gctgaggcgg	gtggagcacc	tgaggtcagg	agttaaagac	catcctgacc	780
agcctgggtg	aacacagtct	ctaataaaga	tacaaaaatt	aggccgggtg	tggtgggtca	840
tgccggtaat	cccagcactt	tggggaggcc	aagggtggcg	gatcacctga	gtcaggagtt	900
tgagaccagc	ctgcctaaat	ggtgaaaacc	tgtttctact	aaaaatacaa	aaaagtagct	960
gggcgtggtg	gtgggcgcct	gtaatcccag	ctactctggg	ggctgaggca	ggagaatcac	1020
ttaaacccag	gaggcagagg	ttgcagtgag	ccgagatcac	accactgtac	tccagcctgg	1080
gtgacagagc	gagactgtcc	aaaaaaaaaa	ttgataatta	aatgttaaaa	gtcagcgact	1140
ccagtaatac	gtggtgggct	gagtattaga	ctactggctt	acatcctctg	atgtcattac	1200
tttcttggtc	gtttgtgact	tgagggttga	ttttaagcaa	atgtatttgt	ggctttttac	1260
caaggtcata	tggccagata	actttttcaa	agcattagtt	aaagaattct	gattagtttg	1320
aattagaaac	aaaactcaaa	gaacatgacc	taatttaaca	ggttaatttg	aagtgcattc	1380
gccaagtaga	agaccagcaa	gaaaaaaaaa	atgggttcct	aggaagagggt	agtaggttgc	1440
atagtttttg	ggcagggatt	ttgcccacaa	ggaggtaact	atacgacctg	ctgcctttct	1500
tagggcctta	ttattcaccg	ataacctggt	tccttgctac	tttgcttttg	tgtaagcaga	1560
gttctttctg	taggtttttt	caaatgaaaa	cattgcaaga	atatcaaaga	gagcagtgtt	1620
tgcgttagtg	attataaact	gcagcatggt	gctgacattg	ataactgaaa	gtcaactaat	1680
gagaatttga	gacttctgaa	gtacacttag	ttgctagtgt	ctcccttttg	gtgtcactgg	1740
aaagttttag	aagcatggtt	ttgtttttgc	tcaggtttct	ctttctgtga	tgagagagct	1800
ctcagctgtt	cctcctctat	gtctacatta	tgtctgaagg	aaagaattta	acaaaacttg	1860
aaatactgct	gtttttctac	aatgttttga	aatattttatc	ttgctgcttt	tctagggttg	1920
tcttctggat	ttaaaatttg	gggcggctgg	ggtggaattg	catgggtttg	gaatgggtaa	1980
ttgagctgct	gctcattatg	gtatgtaaca	gtgatttgtc	tgtttaatat	gtacaagaac	2040
tggaaggtca	ataaaatgaa	agtggttgtc	ttgactgggt	aatagtgtta	catattttgt	2100
taaaagttat	acatcttttc	aataaaaaaca	ctgcatactt	caaaactagt	gctttttaag	2160
tcacctttaa	cccttatccc	catccttgca	gtagtagatg	catttttcat	ttgtaattat	2220
tatgatttgt	tcttagtttc	atttttca				2248

<210> 8847  
 <211> 814  
 <212> DNA  
 <213> Homo sapiens

<400> 8847						
caggcgggtct	gatagaaagt	cagttaacta	attgtacaat	atttaagatt	aacttgtctt	60
aaagagatgt	agtgcagcat	ttgtttatgg	cctggaaata	aattaattta	gagataaagt	120
ctgtagcaag	tacactggat	gggggtgggg	aaaccttttg	cttcttgtct	tatttctctg	180
tgtcagaata	aatgtatttt	tttattttga	tttatgctga	taattttatg	ttgaaatttt	240
ctttcgaaag	agattgtact	ttccattcca	gaagaaaaca	ttgctctatc	agagtgagggt	300
agtagattgt	atagttgtgg	ggtagtgtat	ttacctgtt	caggagataa	ctatacaatc	360
tattgccttc	cctgaggagt	agacttgctg	cattattttc	tttttattta	gatgatatta	420
aaactcagaa	gaattaattt	tgacattttg	tattttacagt	ttatcagtta	attttctctg	480
ttcaagtagt	acagtaggca	cagattaaca	tttaaatttt	tcacatatgg	tatattttcag	540
aaatttgaag	ttaagcaaaa	attttaatga	gtagagaaag	taagtagcct	tcaggaaatc	600
ttcatagagg	accaggccct	tttggaattg	tgaatagggt	tattgcctta	catcctggta	660
cacatgtcca	aggtcagggt	ctgggtggta	aaggtaaata	caaattggaa	gggcactgtg	720
tgagccaaaa	tgagtcagat	tagtcatgat	tcattttccag	tttgggtttt	gggtgggtctt	780
ggagaatggt	gtaagcactg	cttcattgat	aggt			814

<210> 8848  
 <211> 1348  
 <212> DNA  
 <213> Homo sapiens

```

<400> 8848
tcacggcatc ccactctgtt ctgccgagga cgtgaatctt tcctttgttc agtatatccc      60
atgctgtata cactacctgc ctgtcagtc ttcagtagcg gcctatgtta tcagattggc      120
tgatcattgt attgcagtc tatgttcagg taacacttat ttactttata gtggtcccaa      180
ggtgcaagag tagtgatgct gacatattat tataacttct attttattat tcttattgtt      240
aatcttacta tgcctaattt ataaattaaa cttaatcata ggtatatata tataggaaaa      300
acatagtgtt atatagggtt caatactagc cccagtttca gttgggggtc ttggaatgtg      360
ccccccacag ataagagggg actatatctt tatagaagaa gagtttgatt ttttaggacg      420
ttatttctctg ttcaaaccat tgacccactc tttgagataa gttattctga agctttcata      480
taagtaaaaag caattaaatt ttgccaccag caccatctct aaccattctg aattataaag      540
tgttaaaatt aagaacagga agaattggaag tattcaataa aaaatgaagt attttcagtt      600
ccatattgtc atcaaataag ggtgggaaaag gcaaaggaga aaatcaataa gtatggagaa      660
gaaagaaatg agtagacaga acaaaaaaga tgagaaagga agccatattg aagtcaggag      720
agagtgcaga gcaagaaagg atgggcagaa aaaaagaaaa caagaaagga gtttaatgag      780
tgagtagaat gtgctcttgt tgcattctac tgccagtcta agccatggaa tagttcacta      840
ttctgggaag tattcttaag atcatcagtg accttcaggt catgaaatct aataagcatt      900
ctttcagacc tgttcttatt tgacctctca gtggtgtttg acactctcaa ccaccaactc      960
tttgtgaaac ctttttttcc ctgaaagctg tgaggtcgtg ctttctcggg tctcttctca     1020
tgtctctggg aactcctgct ttgtctactt tgggtttttt gttttgtttt gttttttgtt     1080
ttttaagagt tgggatcttg ctctgctgcc taggctggag tgcagtggcg caatcatagc     1140
tcaactgcaac ctcacactcc tgggcttaag tgatctacct gccttggcct cctaagtaac     1200
tgtgttcatt tgacacagtt taggaactaa agatcaggta aaaccagcca gttcctgagc     1260
tggaattgaa tctgttcaga atgtctggga actaactcca tttttacgtg tcaaccatac     1320
ctggctaatt aaaaaaaaaa aaaaaaaaaa                                1348

```

```

<210> 8849
<211> 1348
<212> DNA
<213> Homo sapiens

```

```

<400> 8849
tcacggcatc ccactctgtt ctgccgagga cgtgaatctt tcctttgttc agtatatccc      60
atgctgtata cactacctgc ctgtcagtc ttcagtagcg gcctatgtta tcagattggc      120
tgatcattgt attgcagtc tatgttcagg taacacttat ttactttata gtggtcccaa      180
ggtgcaagag tagtgatgct gacatattat tataacttct attttattat tcttattgtt      240
aatcttacta tgcctaattt ataaattaaa cttaatcata ggtatatata tataggaaaa      300
acatagtgtt atatagggtt caatactagc cccagtttca gttgggggtc ttggaatgtg      360
ccccccacag ataagagggg actatatctt tatagaagaa gagtttgatt ttttaggacg      420
ttatttctctg ttcaaaccat tgacccactc tttgagataa gttattctga agctttcata      480
taagtaaaaag caattaaatt ttgccaccag caccatctct aaccattctg aattataaag      540
tgttaaaatt aagaacagga agaattggaag tattcaataa aaaatgaagt attttcagtt      600
ccatattgtc atcaaataag ggtgggaaaag gcaaaggaga aaatcaataa gtatggagaa      660
gaaagaaatg agtagataga acaaaaaaga tgagaaagga agccatattg aagtcaggag      720
agagtgcaga gcaagaaagg atgggcagaa aaaaagaaaa caagaaagga gtttaatgag      780
tgagtagaat gtgctcttgt tgcattctac tgccagtcta agccatggaa tagttcacta      840
ttctgggaag tattcttaag atcatcagtg accttcaggt catgaaatct aataagcatt      900
ctttcagacc tgttcttatt tgacctctca gtggtgtttg acactctcaa ccaccaactc      960
tttgtgaaac ctttttttcc ctgaaagctg tgaggtcgtg ctttctcggg tctcttctca     1020
tgtctctggg aactcctgct ttgtctactt tgggtttttt gttttgtttt gttttttgtt     1080
ttttaagagt tgggatcttg ctctgctgcc taggctggag tgcagtggcg caatcatagc     1140
tcaactgcaac ctcacactcc tgggcttaag tgatctacct gccttggcct cctaagtaac     1200
tgtgttcatt tgacacagtt taggaactaa agatcaggta aaaccagcca gttcctgagc     1260
tggaattgaa tctgttcaga atgtctggga actaactcca tttttacgtg tcaaccatac     1320
ctggctaatt aaaaaaaaaa aaaaaaaaaa                                1348

```

```

<210> 8850
<211> 6662
<212> DNA

```

<213> Homo sapiens

<400> 8850

agcctcctga	gtagctggga	ctacaggcgc	acgccaccat	gcctggctaa	tttttgtatt	60
tttagtagag	acggggcctc	accatgttgg	tgaggctggg	ctcaaactcc	tgacctcg	120
atccgcctgc	ctcagcctcc	caaagtgtct	agattacagg	cgtgagccat	cgcgcccagc	180
ttcgggtgtg	ttttaaaaa	cttgatttta	agatgttatt	tgtttcaggt	cattacatta	240
gtgatgtata	tgacattaag	aagcaagcgt	ggtttactta	caatgacctg	gaggtatcaa	300
aaatccaaga	ggctgccgtg	cagagtgtac	gagatcggag	tggtctacatc	ttcttttata	360
tgacacaaga	agaaactttg	ccagattcta	aataatgagt	tagaaatcac	cggaactctt	420
tttttttttt	ttttttcctt	tgaggataaa	atgtttccat	cagttgattg	gttgaaaatt	480
tttgggtttt	atcatccttg	gttaggggtg	atctcttgat	atttccttgt	aagtcagaa	540
tattttctct	cataactcag	cattaattgc	tcattacaca	gttgatctta	ggatggag	600
ttaagacagt	ttgttttatg	atagaagatg	tcctgtcata	aatagttttg	gtcatccagt	660
tttatcagct	agaagatctg	atttatatgg	atgggaatta	cctagcatgt	tcattaaagc	720
taactgttgt	cagttcccct	ctattcttaa	aaatcagcat	tcaaagggtt	aagatcaa	780
gagtgcagctg	ctttttaaat	aaaatacagg	catgaaatgg	aattgtgaag	gccttatcca	840
tatcaatttt	attttacttt	ttctcctgcc	tattccttgg	ttctgcttac	taaatttcca	900
gttttttttt	ttgcttggtt	tatcttaagg	gagatctttg	atgagctgct	ggaaacagaa	960
aagaactctc	agtcacttag	cacggaagtg	gggaagacta	cccgtcaggc	cttgtgagga	1020
acaaactcct	gggttggcag	catgcactgc	atattgttta	ctgctgcca	cctcaccttt	1080
cctctgctga	aggagaattt	ggaattctac	ttgatgcggg	agcaacaaac	agctcagggc	1140
caaaccacaa	gacaaaaatt	ggagtaacgt	agaatgctcc	atgctatttt	atggaaactt	1200
tggtctcaca	tccgtagctg	attatcctct	ttttctccta	tgagtggcac	ttcttttgtc	1260
ttaggaatac	atgttgtaaa	tatatatctg	tgtatgtgtg	tatacacaca	cacagacaca	1320
cacacacaca	cacgggatga	atggagcctt	aaagagttag	gatgagccac	cagaatatgc	1380
ctgctcaaaa	ttaatagcac	agcagtttgg	agaagaaatg	aagggtgtcaa	agagtccatt	1440
cacctgagaa	atgtgtgaag	acatacttat	cagttggctt	ttagctttta	tgttccttga	1500
gtagtttcac	tcaagtctgt	aaccttttgt	gtttccttat	tagtaaaatt	caactggaaag	1560
ccagctcttc	atgtttacact	aatgcagctt	tggtctcttt	gcaagagagg	ggcattactg	1620
tcacctgact	tgaggagctg	ttttgttgtt	gttgttgtct	gcaaatttca	tgaatttgtg	1680
atgtctttgc	tgtttacatg	cagtcccaag	aaatggattg	ttggtgcttt	ggaatatgtt	1740
acagtcccac	atttgatatt	tcttatatac	tttgttttct	ctaaggagat	ttcttcacac	1800
agtatgttca	tcatatatca	tcatcattat	tatggtggta	aagatagaat	cttttttctt	1860
ttttgtcatt	ctgccatgga	gcagcattac	cctaattggat	tgcaaccaaa	actttaaaca	1920
agtagaaaga	taatatattt	ccaattggga	ctccccagca	ggaatactta	gggataagga	1980
agaatgtctag	catctgtgct	tctcaaacat	agggaggata	agaagagtgt	tcttcttgta	2040
aagctaaaat	tctggaccac	tgaagctaaa	agccctattg	caagtatgaa	attaagtact	2100
tgagctgtag	gacaaacctt	gggcatttaa	ccattttactg	tctggctttg	cccttaaaat	2160
aggggttgcaa	ttaaaatgtg	attggcttag	gtaatcccaa	aaactaaca	ataacaaagg	2220
tgcataattt	atttatctac	tttttaggtg	ctctgagttg	aggcaaagta	gagcggcaac	2280
attaagtgtc	atgctagtca	cttagctgac	gtaaccagct	tggttaagca	gcttatgaaa	2340
ccatataaag	aattcttttg	aggatggaat	tctgtccaca	aaataatttt	gtgagcccag	2400
atatcattag	gatcacacag	agttaaatat	agaaaaatga	aaccatcatt	atattctttc	2460
gtgttttttc	ttttattata	aacaagggga	ttattcttta	gttctcagag	gtagggacaa	2520
aaccacatca	ggttttcaga	aggaaaaaac	atttaaaaac	ccaccatcac	atgagagaat	2580
cacttgaacc	caggaggcag	aggttgagct	gaagctgagat	cgcacatttg	caactgcagtc	2640
tgagtgcacg	agtgcagctc	catctcatta	aaaaaaacga	aaacaaaaac	aaaaaaaaca	2700
caaaccatca	tcacagaaga	tgcaacatct	tttctgaaag	attgccttaa	gagagctcca	2760
gtcctactct	tggaacttgg	atgtattcta	atgtagtaaa	ctattctaa	ttttcattct	2820
ttgaattata	aatggcctca	gcagttttgc	tcaactactg	ataaatgctt	tgctccttac	2880
catctaccta	tataccttat	tgtaatgaat	gttccaaaat	ggtagagtgg	tagaaaacgc	2940
cagagtgttt	tagagcagag	gaaaaatatt	gttttaaaac	tagcttttaa	gttttgtttc	3000
atttctacca	ggagcctctt	tggtttgggt	tgattttgct	tggaaataat	tggttttctt	3060
ataaatgagt	gaagcgggtg	taaaattctt	tggttagtta	ttaattcttt	tacgtgtctt	3120
tgcatttgag	aggcactgtt	aaaaattatt	gggaagatt	taaagtgcag	gctgcaatta	3180
aaacatggag	aaaagtagaa	ataatgccat	aagtctagat	tgccatcatga	agcagcctca	3240
tttgaattgc	tttcatagct	ttcatgtgtg	tatggtttag	aagtacactt	acctcagaaa	3300
cctgatttga	tcttcatgtc	ttgggcagga	gttgttgaaa	ataggttatt	ggaatatata	3360
agttatctca	ctgctcatgt	acttgcagtg	ttgggactca	aattttactt	gatgtctgtc	3420
cattcttgtg	gccctatcag	ccttctcctt	cctttactcc	tttaattctac	ttctttgact	3480



accagtggag	atttcagctg	gactatgttg	atgggggtttg	ttgtttgtttt	tgagctggct	3540
gtatatattt	taaaattata	aatagataat	atattattttt	ttgcacattg	tgatcagttt	3600
gcccagaatt	ggggatgggg	cagttagcat	gttggggcca	ggaagggaca	agttagataa	3660
ggactgagtg	cttccgttgc	aggcagtttg	cacaatacct	aattaacctt	cctattgaaa	3720
ataccaaatg	tgtggttaca	ttacttttaa	tgacattgaa	ttggaacttg	atggcaatta	3780
gttctagata	caaccttttg	atctttgttg	gaattttaag	ggaaaaatga	actaaacttc	3840
atattttgtg	atttttaatca	cctaatagta	ctgaagggtg	gaaagttgca	tgtggctgga	3900
tgctgttaat	ttctttaata	gccatgacta	taattttaagc	ctatgagaag	atagactgtt	3960
tcgtagggat	atattcacat	gtgtgtgcac	actcatgagt	tttgtctcag	caggatagaa	4020
taagcaaadc	catgaactgg	tcttctatta	atactttgat	tctaaaaatt	atttgtttac	4080
ttgctatggg	ctgttcattc	tgggcctaac	cttaaagggt	caataacaaa	tacaacaaat	4140
gtaaatatgt	ttacatttta	agacatatgc	agtggttctt	acagatcagt	taattaactc	4200
cagaaagcaa	atggttagact	acacatttat	ttttctcctt	gatcaagtat	aaaattctga	4260
aacagaggct	ttaaaattta	aaacctcagc	aaaataatcc	atgaatttac	tgattcttct	4320
gtatcgtgtg	tagttaccat	tatgtaacta	tacacacata	cagctacgga	tataatgaaa	4380
attatctgca	aacacctaaa	ttaaagagaa	aaaaaagtag	tttgtaaact	cattttgtgat	4440
ctactgaaaa	gaggttatat	taaagcaaat	taaaatattt	tccttctctg	tcctctgaaa	4500
tgactgcagt	agatactctt	agttatccca	tttaggggtg	ttggaggggc	tttttaattt	4560
aattgacccc	ccgagggtgt	cttttgtttt	aaacaggggg	caacagctgg	atctccaagt	4620
acatatggat	tttgtatata	taggagattt	ttagaaaaat	caacaaccta	acaccagatt	4680
caagtcacat	aaaagtgttc	caataaaatg	gatggatgtc	tttttcctcc	ccattttgct	4740
ttatactgag	taatgcactc	ttgcaagtgt	atacaaaaaac	taaatagact	tctgccctcc	4800
aacatctttt	tattgcatta	cttcaaaatc	ctaattttgt	ctctactgat	atgtcttatt	4860
aacatctgaa	aaaatatata	ttttttattg	gaaaattcta	atttgttagg	ccttgaaagt	4920
tttgtgacaa	ttattttgct	gtgtttaacc	acaatcattc	accttatggc	atgctttgat	4980
tactagactt	caggcagttc	cattcattgt	atcatactta	cacacaatta	gtaagttgtc	5040
tccatgtgtg	ctatatgtct	gagggtgtatg	gagtttttat	ttaaaaagtg	tgccagttctg	5100
aatataagca	tttgattttg	taacatttga	cttttcttaa	aagtacagag	gttcaaagta	5160
taggtatgtc	cattggcata	agaatatagat	gggtgagggg	ctggaccagg	ttccagggtg	5220
gtccagtcag	atgccagaac	aaagaagaac	agtcaactaa	actgggtctac	ttcaaaaata	5280
gtgggcctgt	gtgaagagtg	agaccacatg	tgggtgtgca	cacctcttgt	ccccagggtt	5340
ccctcccttt	gagcttttct	ttccctccct	aacttctctg	gcctattgtc	attgttggtt	5400
ctttaaactt	aaggagagaa	aaacaaaaat	gagattccta	cactttgcct	aattgagcca	5460
ctaccagggt	ttctggcagc	tgtggccaca	ttattttgtg	gatgattttt	tttctttatg	5520
ttcagagtga	cttttgattc	tgattcttta	tgttttgtat	ggagcggcac	ttttatctgt	5580
gttttagcag	aactgttctt	ctgtatcctt	tacgggtttt	ctttgttttt	gtttcccttt	5640
taaattatgc	atagagtttt	tttgtgtgta	tgaaattaaa	gcctttatta	accttctttg	5700
atttgactgt	tatttctgaa	aaggacacat	tcttgctgat	acttgtaaca	acctgttcaa	5760
agttgtggaa	atcaccttct	gttggtcttc	tgacatggac	ttccttgacg	cactgtttact	5820
tcttaaaagg	aacagaatgg	caaaccagtg	tctggccgta	gtccccattg	attcctgtta	5880
ttttcatctg	aggagcctgt	gaagctttgc	agaggcttct	gggtaagttt	gtaaacctag	5940
cattggcctt	cactaggctc	ttgctttgcc	tcattattaa	gggttgggag	agggagtga	6000
gtagcatatg	catttcatac	ttgcctttag	gtctcaagcc	tagccccagt	ggaagtgtctg	6060
ctctcactgg	tactgttttg	aattttgtgaa	acctcttaag	agggtagtct	tgtggaccat	6120
tcaactctcc	ttcagccctt	taacttaccc	actgagtaag	gcagtaagga	aagtatatgt	6180
gaaaaggaaa	agctgttact	ctggggaaga	tgtaaacctg	caaagtgtct	cagcctacct	6240
gccatagata	aaaatgagtc	atgatagagg	acaagctagg	gtagtgcctc	agaactctaa	6300
tgttccatgg	agtgtttgtg	ctcttctaag	aagagaaaaac	tataggagta	ttaaaattga	6360
tgcaatacct	caggatagaa	acaatctagc	gaccttagaa	gttgaaatga	ggaccatagg	6420
ctccttttgg	ggtatcatct	ttctgaagga	ataggtagat	tattaaacaa	aactggcatt	6480
tgccacagaa	gtttgtgctc	ataggcacat	ctgcaaaatt	tcacttcaat	tggtgttagga	6540
ctaatatcgg	tgagaaaatg	agaccctaca	atcagggtag	ggtactgtct	tacaaccaca	6600
gctactcttc	tcaaaatagt	ccttttttct	tcttgagggt	ttgttgcttc	catcgaggca	6660
ga						6662

<210> 8851  
 <211> 3484  
 <212> DNA  
 <213> Homo sapiens

<400> 8851						
cataacaact	ctgtttctttc	ctcctggcag	gtgacagagc	tgaatgagcc	actgtcgaat	60
gaggaacgaa	accttctgtc	tgtggcctac	aagaacgttg	tgggggcacg	ccgctcttcc	120
tggagggtca	tcagtagcat	tgagcagaag	acatctgcag	acggcaatga	gaagaagatt	180
gagatgggtcc	gtgcgtaccg	ggagaagata	gagaaggagt	tggaggctgt	gtgccaggat	240
gtgctgagcc	tgctggataa	ctacctgata	aagaattgca	gcgagacca	gtacgagagc	300
aaagtgttct	acctgaagat	gaaaggggac	tactaccgct	acctggctga	agtggccacc	360
ggagagaaaa	gggcgacggt	ggtggaggtcc	tccgagaagg	cctacagcga	agcccacgag	420
atcagcaaag	agcacatgca	gccccccac	cccacccgat	taggcctggc	tcttaactac	480
tccgtcttct	actatgagat	ccagaacgcc	ccagagcaag	cgtgccactt	ggccaagacc	540
gcgttcgacg	acgccatcgc	cgagcttgac	accctcaacg	aggactccta	caaggactcc	600
acgctcatca	tgcagctcct	ccgcgacaac	ctcacgctct	ggacgagcga	ccagcaggac	660
gacgatggcg	gcgaaggcaa	caattaaaggc	cccaggggaa	ctggcagcgc	acgcggatgc	720
tactactgca	gtctttatatt	ttttcccatg	agttgggggt	cggggtggggg	aggggaaaggg	780
agggatgacc	ttcccaggga	gaaacccacg	acctgtcctg	tctttgatcg	cctctttgac	840
atTTTTGCCA	aaataccact	agtggaaagt	caggctagct	gtgctggtat	tgggaatagca	900
gcctcacact	ggcgtctgga	ctgttctgta	gattcatgca	agtggagctg	tctgtctcta	960
atttaactta	ttgctagata	ataggggtttt	cagatgaaaa	gaaaacttaa	agaggaatgg	1020
ccctcattca	gtaagttctg	tggttccagt	aaggattttt	atgtacatac	gctctcgtct	1080
ctcgttttgg	gtactttcta	tctcatctgt	ctcggctctg	catgttttcc	aggggtgtagc	1140
ctacagacat	ggaacagtg	aaatcccaga	ctgacagact	tagaacctga	ggctctcattc	1200
atccttatgg	tttaggcctt	gccagtttct	cgaagtctct	gattagttga	cagtattaac	1260
actaaattgc	agttttacagt	atttctacat	tacagccata	tgtaacatca	agccatcgat	1320
tgtgtacttt	tcctttgcta	gttggtttggg	ctttaacatc	cttattcagc	cttatccagg	1380
ttgggtttgc	tggtgatcgg	tctcctaggc	taaatgagaa	tgaaagcgac	ttcagggtcag	1440
gtggctgtgg	gatttttttt	ttttggtcct	tctttcctct	taacgtaaat	ccaccaccaa	1500
aattattaat	cctcttgaga	gaaacgtgaa	acgccacaaa	aatagagaaa	attcaggtct	1560
gtatgtcatg	gatcgtgttg	gtatttttcag	agaacatccc	gcttctgaag	ctgctgcagc	1620
tcctctctca	gggatcacac	tgccgtcacc	cactctgcac	tggggcggtt	cctactgcgc	1680
ctcgtctggg	cggacgcagc	tgggtgcaga	agctgtgggg	tcggagaggg	gtttgggaaa	1740
ggtctgtggt	gcagtgtgtg	aaaattcagg	tgctagaagc	ctactggtag	aaaaacccaa	1800
aaggaagagc	tatatcctta	accattctgt	ccaatttcgg	gagccttgtc	agtgtgtcag	1860
tttttctctc	ccgaagacac	tccttcccca	agtaattgta	ggaagataaa	aaaactgtta	1920
ccagataaca	aacactgaac	tcctatttga	ccagaacttt	ttcctctcga	gatagttttt	1980
tctttttaat	gaaaaaagca	taggaattgg	agattggctt	gtctcacgca	gccagtgcac	2040
atttggaaat	gacggaaaca	acgttgctat	ttccacccat	ttgttttcgg	cagccttaag	2100
gccttcattc	tcatttcggg	tgaatctgtc	tatctgtgaa	cgtggcccgc	atgtgcattc	2160
ttttttttat	atatataaag	tcagtgcagc	ggaactcccg	agacgtgtaa	tgacaccaca	2220
cttgttttct	ttgtttcttt	gttttattta	ggcagaaga	ggtgtgagta	attgaggaaa	2280
aactgacaga	tgcttttgct	aataccaaaa	ttgagcttac	aattaggaac	tgagtatgtg	2340
taacaggata	cagggtgacag	tgaagataga	agaaccacga	tgaccacaga	ctcaatgtgc	2400
tctgtaacat	cgcacagttt	acccagcatg	actttcctta	ggaggccccc	tcctcacgct	2460
agagtaaaag	tcccagttaa	gtgaagccta	ccagaagaac	tagtagaaga	agctttgccg	2520
cttttgtgcc	tctcacaggc	gcctaaagtc	attgccatgg	gaggaagacg	atttgggggg	2580
ggaggggggg	ggggggcagg	taggtggggc	tttcccta	ttatcttcat	gtccagtgcg	2640
cagtgttgcg	tttttccctg	tagcatttgg	aatgatttta	ctggaattac	aaaacctatt	2700
tttcccttaa	atttcagctt	tggctctggc	tgttttttag	aataatgcaa	gataaaaatc	2760
acacctgagg	gctgaaaacg	gagagggaat	gggagacttg	atatttaagc	agcttgaatg	2820
gtttttcttt	tctttatatt	taaagaaatg	cacttgccca	tgatactgtc	tctccagtga	2880
aatgattact	cctccattac	tctattgata	caatattgtg	catgctagt	ttgtatttct	2940
atacagtagc	ttgaaattga	ttaaactata	ctgtaggtgt	tatgtattcc	tatgacaaaa	3000
aaaattaagt	cttcaaat	tttaaagggt	tttttttttt	aatttaattt	ttccttttgg	3060
gggtaaagtt	tgctctacca	aatagtgatt	gtaacaaatt	gatctgtttt	ggatgttgct	3120
atagtgacat	gcagttatat	attttgtttt	taaaaggggg	ggagcaaaaag	aaacaccagt	3180
gtagacttaa	tcttaatgtc	tgggtgttgt	catggtgaaa	ttataactat	tacagtgttg	3240
gagaacaaca	aatatgttct	ctgaatgagc	ctttgtgctt	tttgtcatgt	tatgcagtga	3300
actattttta	aggtctaata	agtgattatt	tttccagctc	cgtgtttctc	taagggaatta	3360
tttcacacac	ggaccatctt	tagcagtttc	ctcagtgatg	gaatatcatg	aatgtgagtc	3420
attatgtagc	tgctgtacat	tgagcaaata	aacttacaga	tctgacgcca	gtgctcctta	3480
gctt						3484

<210> 8852  
 <211> 1218  
 <212> DNA  
 <213> Homo sapiens

<400> 8852  
 catcatgccca ttgcaactcca gcctggggcaa cagagtgaga ccagggtcttt ttgaaactct 60  
 gtctccaaaaa aaaaaaaaaaa aagaaatcag ccatgcatgg tgggtgcacac ctgtagtccc 120  
 aggtactctg gagattgagg tgggaggatt gcttgagccc agtagtttga ggctgcagtg 180  
 aggtgtgatc atgcctctgc acttcagctt gggaaacaga gtaagaccat gtctcaaaaa 240  
 gaacaaaaaa agactttctt atttgtctga tatacctgta tattacctta tgaaagaagc 300  
 agaaatcccc attttgcaga taagaaaacc aaagcccaga gaaatgaagc ggcttgtccc 360  
 caagattgct tagcgaatga tggagctggg aaaagcccaa tcttccgtta tttgtggaca 420  
 catcagaatt cagcatgagt gacagcggtc tgctggatga cagatcgtca gtgcagaatg 480  
 agacacgagg tgctgtgtt tattcatgca ggaggagtgt ttgcagaagt gccgggaaca 540  
 agagggtggg gagcaaagca tctctttcct gggttcttct tgctctgaac tcaagtagta 600  
 cccacccccct attcttcccc tcttttgagt ctgtttcact gagggcacgg ctggtaggag 660  
 taacgttggtc cagcattaaa acagagcatc agtaatgtct aggaaaaatgt taactttaac 720  
 aacaccacta atcagtttag agaatatatt agcgtgtagc acttgctgat cattcattca 780  
 gaaaatgaat tgcttgcct aaactaataa gcatgatttg gtttatgttt tgattttaatt 840  
 atctctgagt agatgctgct tgaagtaatg actgtaatca cttttgccaa gcataacccc 900  
 cgtttataat ttaagaaaaa aaattttttt ttttttgaga tggggccttg ttatgttggc 960  
 caggctggtc ttgaactcct ggctcaagc agtcctcccc acctgggtgtc tcaaagcact 1020  
 gggattacag gcatgggcca acatactgaa cataatgatt caaacataga aaaaaaagtc 1080  
 tcttggtagt tcagttcccc catgccccag gagtttagta caggggtgtc cagtcttttg 1140  
 gcttccctgg gccacattcc cttggggccac acataaaaata cactaacact aacaatagtt 1200  
 gatgagctaa aaaaaaaaa 1218

<210> 8853  
 <211> 158  
 <212> DNA  
 <213> Homo sapiens

<400> 8853  
 ggcattggtgc tgggtgtctg taggaccagc tactcgggag gctgaggcag gagaatcact 60  
 tgagcccaag aggtggagggt tgcagtgagc caagattgca ccactgcctt ccagcctggg 120  
 caacagagtg agactccgtc tccaaaaaaa aaaaaaaa 158

<210> 8854  
 <211> 6585  
 <212> DNA  
 <213> Homo sapiens

<400> 8854  
 ctcttccctt gcagcctcga agcggaggat ccctgtgtcc cagccgggca tggcgacccc 60  
 caccagcttt tcgatgacac aagttcagcc cagagccggg gctatggggc ccagcgggca 120  
 cctggtggcc tgagttatcc tgcagcctct cccacgcccc atgcagcctt cctggctgac 180  
 ccggtgtcca acatggccat ggcctatggg agcagcctgg ccgcgcaggg caaggagctg 240  
 gtggataaga acgtgagtg ggggggctgg tgggagtggg gggatgcacg gggccacagg 300  
 gcttcagact tgagctctgc ctccccagat cgaccgcttc atccccatca ccaagctcaa 360  
 gtattacttt gctgtggaca ccatgtatgt gggcagaaaag ctgggcctgc tgttcttccc 420  
 ctacctacac caggtcagca cccccagggg aatgtgggtc tgcagtgggc ctgtgggggg 480  
 ttcaggggtg ggggcagggt catggtggag ccgggagatt cgctcagagg gaggagggcc 540  
 tctagcaggg tgggaggggc ctggctctga gggctctgcc cgtctcccca tccccgcagg 600  
 actgggaagt gcagtaccaa caggacaccc cgggtggccc ccgctttgac gtcaatgccc 660  
 cggacctcta cattccagggt ttcacctcc ccctacctg caccctcctc tctcttccgg 720  
 gcctatatgg agcgggtgtg tgggtgcctg gagggccagg gcagttcttc ctctggtgac 780  
 cagtgtctgt gtgtctgtct cccacagcaa tggctttcat cacctacgtt ttggtggctg 840

gtcttgcgct	ggggaccacg	gataggtaag	ggaggcctgg	ggcaggccga	ataaggtggg	900
gtttggggag	cccattggtt	gtcaggaagg	tctcagttcc	aagggtctcag	ttccccctttc	960
aggacagccc	cacttttgctc	ccagttggcc	caagatacag	ccctcaggggt	cactgtcagc	1020
atcacccctcg	cctcttccct	gtccttcccta	cccacatgca	ttgcgtcacc	atccccctgtg	1080
ctgggtgacc	cttctccatc	cacccttccct	cttggcctct	actaccagac	ccatcctcat	1140
cctccctctg	tcattaccag	ctccccactg	cacccttact	ccagcagcag	ccaggatgggt	1200
cctgtctgag	gtgcggggcct	ggcccaccct	gccccgcctt	gctatccatg	gctcccaatc	1260
aagccccagc	tcttcagcct	ggcactggcc	ctcccgtgc	acgtcccggt	ctattccttt	1320
ccttggggag	gctggcactg	tctcttgggg	ccttgtcaca	tcaactcccc	tctgcccagg	1380
agcgtgttcc	ctccactac	tgccgagtag	ctgcacatcc	ctgctgggtc	cattccagta	1440
tcacctctc	cgggaagcct	tcttgcccc	caggctagat	caggccccctc	ctcttgctca	1500
catgcacctg	ttcttttccct	ttatggcact	gaacacatct	gtcattaact	aactggtgag	1560
gccctgggga	tgtggcagag	gccaaagggt	ttgtccctga	ccagctccctt	cctgcagggt	1620
tcagctcggt	gtccccctctc	ctgggaagcc	ctctctgaca	cctgtctcct	gactgtcagc	1680
acagccccct	gtgactccag	ccctgcctgc	tctgggtgtc	actgtctagg	gatgggtctg	1740
ccatcctctc	tggatgggat	ttccgtggga	ataggatagc	gcgcacatcc	atcttgggtca	1800
ctgccagggt	tccagcccta	cccaacacag	agctgtcccc	agatgggtgc	tggggggtgg	1860
gggtctgaac	cagccaacca	agtggcgggg	ctttgtgcct	gcaggttctc	ccccagcctc	1920
ctggggctgc	aagcgagctc	agccctggcc	tggctgaccc	tggagggtgct	ggccatcctg	1980
ctcagcctct	atctgggtcac	tgtcaacacc	gacctacca	ccatcgacct	ggtggccttc	2040
ttgggctaca	aatatgtcgg	gtgagtaccc	ccgcccttca	cgcagcccc	agcccttggg	2100
ccttgtcctc	acacagcctc	ctctccctcc	cccaggatga	ttggcggggt	cctcatgggc	2160
ctgctcttcg	ggaagattgg	ctactacctg	gtgctgggct	ggtgctgcgt	agccatcttt	2220
gtgttcatgg	tgagctgggc	tccgggctgg	tgaggctgag	gcacagggtgc	cccggaggga	2280
tccaggcatc	caagcagagg	atgtcagggt	tgggggttcag	accagagaca	cattgtgaa	2340
ctgaggagcc	ctggagtggc	tggcccgcct	ggggggctcag	gagggtctcc	tggaaagagg	2400
ggtagtctga	gccctggaag	aggagacacc	agccaggctg	ctagaggctg	gggatcccca	2460
gcacacaggc	tccaggctgg	gctctcactc	tcattccact	ctccttacat	gggagccttc	2520
ctgccagaat	ttccctggaa	ggagattctc	tagagccctt	cccactggag	tccaggggtg	2580
ctgggtgaaga	gcactgggggt	ctgcaggctg	ggtggacccc	aagcttagtt	ggatcctggg	2640
caaatacatt	cctttcttta	aattcagttt	ccccttttgc	cgggcgcggt	ggctcatgct	2700
tghtaatcca	gcactttggg	aggccgaggc	ggtcggatca	cgaggtcagg	agatcaagac	2760
catcctgggt	aacacgggtga	aacccccatc	ctactaaaaa	tacaaaaaat	tagctgggtg	2820
tgggtgggtg	tgcctgtagt	cccagctact	caggaggctg	aggcaggaga	atcgcttgaa	2880
cccaggaggt	ggagggtgca	gtgagccgag	atgcacacc	tgcgtccag	ctgggtgac	2940
agagcgagac	tccgtctcaa	aaaaaaataa	aaataaaaaa	taaactcagt	ttcccccttt	3000
gtaaaatagg	atgatgatac	ttgcacctca	aggtgctggg	aggattcact	gtgagcatgt	3060
gagaagcaga	gggcagactg	tgggtggctgg	tgggccaggg	cagagccttg	gataaacttt	3120
gacttaagtc	tcattcattta	aaagtttagg	ccaagcacgt	gactcacatc	tgtgatccca	3180
gcactttggc	aggctgaggc	aggaggatca	ctggaggcca	ggagcttgat	accagcctgg	3240
acaacatagc	aagacccccat	ctctaaaaaa	atataaaaaa	tagccaggga	tagcagtgtg	3300
cacctgtagt	cccagctact	caggaggctg	aggtggggag	atcacttgag	tctgggaggt	3360
tgaggctgca	gtaagctgag	gtcacgccac	tgcagtcaag	cttggcgga	agggtagagac	3420
cctgactttt	tttttttttt	tttttttttt	tttgtgagac	agagtctcgc	tctgtcggga	3480
agctgggagtg	cagtggcggg	atcttggctc	actgcaacct	ccgcctcttg	ggttcaggag	3540
caagtctcct	gcctcagcct	cctgagtagc	agggactaca	ggcactcacc	accacgcca	3600
gctaattttt	gtatttttag	tagagacggg	gtttcatcgt	gttggccagg	atgggtctca	3660
tctcctgacc	tcgtgatccg	ccgccttgg	cttcccaaag	tgtctgggatt	acaggcgtga	3720
gccaacgcac	caggccagag	accctgtcct	ttaataaaaa	taaagatagc	atcttctggcg	3780
tgtcttcaga	aattgccgtg	tggccagcat	aagggggggg	agcactcgtg	gccacgtctc	3840
ccacccccctc	aggccgggtg	tccaccggga	agtcctcttc	caccgcctcc	aagaccttgc	3900
ctggcatttg	atgatggaac	cttctcagat	tttggccaca	gggcccgggg	agaagcaaat	3960
cctcaccatg	ttaggaggtt	tggggaaact	gaggccccgg	gagcagaaac	ctgaggctgc	4020
agaggggccag	ggacttgtcc	ccagctgcct	ggggcttcta	ggcagagggt	ggaagtatgt	4080
ccgggctctc	actctggccc	agagggtca	aggggtaaat	cccttgggtt	ctctctctct	4140
ttcccacca	gatccggacg	ctgcggctga	agatcttggc	agacgcagca	gctgaggggg	4200
tcccgggtgcg	tggggcccg	aaccagctgc	gcatgtacct	gacctggcg	gtggcgggcg	4260
cgcagcctat						

ggcgtggcgc	ctgttacaga	aacaataaac	cctgatgggc	atggcgtgga	cagcctctcc	4560
ttggcctcgc	gcacgaatgg	gcggggccag	cgctgggcag	ggggcagggg	gctggggacg	4620
ggccagagta	ggcaccacgc	tgaccagtcg	cagaaggcag	agaggaaggt	ttaatgagcc	4680
ctgtccaggg	cccttcagtg	gggagcctcc	ttcttcttgc	ccttctcctt	cttgcccttc	4740
tccttcttct	tcactttggg	cttcttggcc	ttgcccgggg	tgctctcgtg	ctgcttggag	4800
ccagcagcgt	gggactgtgg	ggccgagggc	agggatggga	gagaagagat	ggttctgggc	4860
tggaagcgag	acagggggag	cactccccgc	accctccccg	ccagccccag	tgcggggacg	4920
cctctctggg	gtgcagggca	cgtgcttggg	gacgtgggc	agagccccct	accttcacat	4980
ccgtgtccga	atcgctggag	ctgctgctgg	agtcggaaga	gctgtggtgt	ccttgctgga	5040
tggagtgcg	cgagtgaagg	ggcgccccct	accagcccc	ctgaagttag	aggcctaagg	5100
caggaccctg	gggtcagggg	caaccccagc	cttccccgcc	ctccgcagcc	ggtgatgagg	5160
cgacttacct	ttggacccgg	acctgcccc	tgctccgac	cggccctgaa	ctttgtgggg	5220
actgagcttg	ggatctcccc	cgtggccgc	ccccacaccg	ggcttctggg	aggtgggctc	5280
cagggctgtg	gagagaagtt	gggtggttgg	tgcaggcagc	ttctgggctt	gagtccggcc	5340
ccctgcacct	ccagtccaca	ctccccagga	gctcacctgc	tcccaggctg	aactccatgg	5400
cggtaaagaga	agttgggtcc	taaggcccaa	ggcgcttggg	ccctgcagag	gagcggagca	5460
gggggaggag	cgctgagacc	tgcccgcttg	aggaatgctg	agacgcccca	cccaacctct	5520
gtcctggtcc	tacgccctga	ctcattgccc	ggcaccaccc	aggatttcct	ctgtgagaag	5580
tgggggagat	ggacaggtga	ctgcttccgc	cagccttggt	gcctcagggg	aggccgactg	5640
agggggggctc	tgtggatggc	attcgggggag	ctacaggttt	cccccaaaag	ctcagatgct	5700
cgttcttgaa	gagggaggtg	ctgccccctgc	cttctctcgt	accgcgacaa	tacagcttcc	5760
tccgcggcgc	tttaacacgc	agggcgctgc	tgccaggggc	gtcccgtgtt	ctaactcgct	5820
cccacagccc	ctccggcttg	gtgagcagcg	tctgaggggt	gaggggcata	gacttggagc	5880
cagcctgctg	cactagcttg	cagctgtgtc	acttagcagc	aaggtgacct	cagcaaaagt	5940
gttttacctc	tgtgctcag	tttctctatc	tgtaaataac	agctaccat	gggattgatg	6000
tgaagtcag	aggagttaat	ttcctagaat	ggtgtctggc	atgaagtact	gataatgtgt	6060
tggtttttta	aaaaataaaa	ggtaggtgtt	ttagggcagt	catggtggct	cagcctgta	6120
atcccagctg	ctccggaggc	tgaggcacga	gaatcacttg	aacctgggag	gcagaggttt	6180
cggtgagcca	agatcacacc	actgcactcc	agcctgggcg	acacagtgag	actccgtctc	6240
aacaaagaaa	aaaatatata	gatataaaag	ataagtgtca	ggccgggcat	ggtggctcac	6300
gcccagcact	ttgggaggcc	gaggcaggtg	gatcacctga	ggtcaggagt	tggagaccag	6360
cctggccaac	atggtgaaac	cctgtctcta	ctaaaaatac	aaaatttagc	cagccatggt	6420
ggcaggtgcc	tgcataccca	gctacttggg	aggctgaccc	aggataatca	cttgaacccg	6480
ggaggcagag	gttcagtgga	gccagagtgt	gcctattgca	ctccagcctg	ggtgatggag	6540
cgaggctcca	tctcaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaa		6585

```
<210> 8855
<211> 246
<212> DNA
<213> Homo sapiens
```

<400>	8855						
gaggcaggca	gatcacgagg	tcaggaaatc	gagaccatcc	tggccaactt	agtgaaaccc		60
catctctact	aaaaatacaa	aaaaattagc	tgggcatggc	ggcaggcgcc	tgtaatccca		120
gctactcggg	aggctgagac	aggagaatgg	cgtgaacccg	ggaggtggag	cttgcagtga		180
gccgagatcg	caccacggca	ctccagcctg	ggcgacagag	cgagactctg	tctcaaaata		240
aataaa							246

```
<210> 8856
<211> 13646
<212> DNA
<213> Homo sapiens
```

<400> 8856							
gaggagagcg	tctgcctgaa	tctcatcctg	cagaagggtat	ggggtgggat	gggtggggct		60
gcggattggc	cctgtgggat	ggctgacccc	tccctgcacg	ctgacccgtg	ctctcttcca		120
gctggactac	atggttcacg	gtgcggtgtg	cacacgtgtc	gacggcgggg	acattcacat		180
ccataaaga	aaatctacag	tgagccctgg	cacgagagcc	cccagctccc	taactgccag		240
ttcaggctgg	gcqctgccga	gaqagacaaq	tccctcctgt	tgcttctctg	ccctggaggt		300

gaggggtctg	actccagaaa	tctgctcagc	tcctgggagc	ccgtatccca	ttcgaggagc	360
acagaaccag	cttatccccc	acatctcctg	gtaggctctc	ggctttggac	tggctctggg	420
ccgggtggcc	tcctataact	ggcttggact	ggctctgggc	ctgtgtgccg	ggtggggcct	480
cacttgtcct	ccaaatctgc	tttcttccag	caagtgttcg	cgtcccccag	taaacacccc	540
atggacagca	agggggagga	gtccaagatc	agctacccca	acatcttctt	catgattgac	600
agcttcgagg	aggtgagctc	tgcacagggc	ctctctcctt	agcttccctt	tctcgtgaga	660
tgggtgttag	gcgcttctcc	ccgcggcctt	agccttgacg	aaaggcatgg	gtggccttga	720
gccgggaaga	gtccggctga	ggcagatgtg	gctctctctc	ttcccagtg	ttgcttgtgg	780
gcaggtgaat	ttccccggcg	cagcctccgt	ttcctcctct	gtaaaatcag	tgtcatgac	840
atctgtccta	cttactgtca	gggttgaaga	ctaaaaggct	cctgagtggg	aggacgcctc	900
ataaactctt	gcaagaagca	ctgcccgggc	gggaggagcc	attattaatg	ctagtaaag	960
ataaagaagc	gcctccacgc	ctgcactgac	ttggaatcct	aggatgtcaa	agagggatgg	1020
ggtttccgga	gttatctggg	ccaagccttt	gttttaaggt	ttgggaaacg	ggcttgggca	1080
gaaggagact	caccgagaaa	cacagggcac	tgggagggcg	gggagggagc	cggctcgcagc	1140
tactcctctg	ctctgcccct	ttgtgtctct	cctctgttga	ggccttggtc	ggggtccttg	1200
tgcgcatcca	aggtgtctcag	ggccttgagg	acttaggagg	aaggcgtggg	cgtctgcagg	1260
aaaatcgcag	gctcagggag	gtcatgtccc	ctcccagggc	acacgtagct	cctagagggc	1320
agagctgaga	tttgctgtcta	agtctttgtg	gcctcggagc	tcacagtctg	tgcaccaggt	1380
cctgggagca	atgactcggg	aaggtggcag	gatggggcct	gtggcacctt	agtctgggtg	1440
tgtcacccca	ggtgggcagt	caccctgcca	ccacactgag	cctttggcca	cacaggagcc	1500
tcaaagatgt	ggcaggcagg	gctgggcacc	cctaggcggt	gtggaggggc	ccagacgggtg	1560
gctgacggtc	ctggtgaacc	gtgatgaggg	tgtgctctct	ctgccagtc	cagagtctcc	1620
gtaagcgtcc	ctgtcctccc	ctgctgtctc	gcccctgccc	cagtgtgagg	ctgttcttgt	1680
cctgtggggc	tgggagggca	tggggccaca	ggagtgtgtg	acagccggtt	gtcccctgca	1740
aaatgggggt	ttctgagcag	ccctccctgc	cagttggggc	aggctgtggt	gtgggcggtg	1800
ggagctgatg	gtcacgtccc	tgtctctttg	tgtcctggcc	cagggtgtca	gcgacatgac	1860
cgtaggggaa	ggagagatgg	tctgtgtgga	gctggtggct	agtgacaaaa	ccaacacggt	1920
ccaggggggtc	atctttcagg	gctccatccg	ctacgaggcg	ctcaagaagg	tgtatgacaa	1980
ccgggtgagt	gcgggggcgg	ctcacgggtg	ttcttctggg	cccggggacg	gcggtctccac	2040
agcccaccgt	ggtccatacc	atggggccccc	ccagcttgc	tgtgcatggt	agcgggcgcc	2100
aggggtacct	gcagccctc	cgggctcctt	ctaggcgctc	cctggctctc	ttaacgtcat	2160
tcttcatggt	cggcctcagc	ccatgcgggc	cacttgccct	catctgaaat	gtgagcggga	2220
acttctctct	cagtctctag	ttccctggga	agtgatggct	gatggtgtcg	ctgtcacctc	2280
ctcactgtca	cttgtctcct	gcgactggcc	ctgggagtgc	tccgagtcgc	ccccactaa	2340
gcaagcagat	gtgggcaggc	ccctctcccc	cagcgggcac	catccgcagc	cagccttgct	2400
gccagcctgg	ggccctgtcc	tcagcctggt	ccgtggttca	tggggcggtg	ggaggggcac	2460
caggaggggc	accaggcaga	gatgtgggtc	cattccagct	gccccgcctg	ccagctcaga	2520
cgtcctctcc	cgggcagccc	ccgctccttg	agggatggct	gccttggtcg	ttcatgtcct	2580
ggggaggggc	cccatggagc	catcgccacc	tcctgtactc	aggctgcccc	gcgcccggcc	2640
ccaggtgagc	gtggcgccc	gcattggcaca	gaagatgtcg	tttggttctt	acaagtaag	2700
caacatggag	tttgtgcgca	tgaaggggcc	ccagggcaag	ggccacgcgc	agatggcggt	2760
cagccgagtg	tctacagggt	acacatcccc	ctgtgggact	gaagaggact	ccagcccagc	2820
ttcgcccatg	cacgagcggg	taagggtctg	acagctgggg	gcgggggctc	ccatccgtca	2880
agttcacttt	ccaccgtctc	ccccgtgctc	acggccccct	ggggacatag	gtgttgtcat	2940
ccccaacacc	cagtgcgcag	gccgaggtgc	cgagcgtgcg	gaggcccgga	ccaccagcc	3000
cttctctttg	cctagcgggt	tgtaggaggc	actgccgcag	gggaggcggt	cctgccttgc	3060
agacctggag	ggctgtgcct	ggccaagggtc	acaccgcagg	ctggtgctgg	gccagagctc	3120
tttctgcctc	cctgagatgc	cacaaagcca	ggctgagtc	acagagccag	tgggcagaag	3180
agactggctg	gggacccagg	cccggccctg	gcgcctgcct	gggtggacct	gctgggtgag	3240
cgtgggcacg	tggcggcct	tccccgggtga	gtcagatggg	gatgatgggt	actgagggtc	3300
agccagcgca	tgcagaggcc	taggccaccc	agctctttgc	cccgcgggtt	gtaggagggt	3360
ctgctgcagg	agaggcggtc	ctgcctcgca	cagccggaaa	ccagacttgc	cagcttgccc	3420
caggtcacaa	ggtctcttgg	gatagcactg	ggcttggggc	cctgctctgc	ctaggccact	3480
ctccttcccc	agggcgggag	gctgaggtca	gcagcagctt	tgttcccaga	agcctttggt	3540
ggggcacagg	caggagaagg	tctccagccc	actggctgct	ttgctctacc	tggttcttcc	3600
agagggactg	cccagagctg	tagttcttgg	aagagtacag	gtgtgctggg	caggggggtg	3660
cccttggcag	aggtccaggg	gcagttctgc	ccagccattg	tccaggagag	acgccacca	3720
cagccagaat	cctgctctgc	tgtctctata	accttgggtg	tgtctctttt	cctctccaag	3780
cctcagtttt	ctcatctaga	aacagggcac	gaggatacct	gctccttcag	tatttgggag	3840
gctttgagga	atccggggct	tggccctcag	gaggattccc	aggtggcagc	tgcagtagtt	3900
gctgttgacc	tacttggaaa	gcagaggcgt	gggaatgtaa	acgatgcatt	accgcaggca	3960

tgcctgagat	gagggagtgt	gcgtttgtta	tacttttagt	tcgagaaaga	tctgaatcat	4020
gcatatctcc	gggtgggtcag	atggttggtt	tctttctctt	ctgtatatct	ttttttgggg	4080
gggaggtatc	ttctgcaatg	aatgtgtttt	gcaagccaaa	gacagcaagt	gctatttttt	4140
gcaaagatgg	gtgagaatcc	caggcagggg	cctctcttgt	ctttggaatg	aggtgggttta	4200
tattttctgag	tttgtttccg	agataaaggg	cctggttctt	ctccctgggtc	ctaaattatg	4260
ccctgggact	ctgacaaaat	gtgtgtgtga	aagtccttac	gaagatgtgg	cccagagctct	4320
gggctggaca	aaccgggtg	ccacctccag	ccacagcctg	agggctgagt	gactacaggt	4380
cactagacct	gcctgagcct	tggttttccc	atctgtccag	cgggagtggc	tgtgaggggt	4440
gtgaaagtcc	ctgggtgcct	agcagctggg	cagccctggg	attcaggagg	agggatgtgc	4500
tagggtcaca	cagggtcagc	agcagggctg	gcccctgggg	actgccgcct	gtgcgcctgc	4560
tattacctgt	ctccttctct	ggcggggctg	tctggagcca	gtgcgtgaca	catgctgact	4620
ctgtgtattg	tggttgtctg	tgtttgttcc	ttttatcttt	taaaaacctt	ccccggcttg	4680
tgggaacacc	gtctggagcc	cagcagctgc	caggactttg	gtggatgtcg	gagccgtgac	4740
gaggaggctg	acggggctcc	cgaagtctca	gtcccagctc	atcctgctcc	tcagattatt	4800
gttggcatgg	ggaggaggga	ggagatgggc	caagtccctt	ctggctggaa	cgcccttccc	4860
ccccttcttc	acctggcgaa	ctcctactcg	tccttcaaga	cccagctcca	gcggcatctc	4920
ctccaggaag	ccttccctga	tttcccaggc	tgtggatccc	ttttgcctct	gtgcttcatg	4980
tatcctgtgc	ttctctttct	ctgtctccac	agccagcatg	ctgtctatgg	ttgtcactct	5040
ctgagtctgt	caccccagca	gactgtgagc	tccttgaggg	cagggacctg	caatgtgcct	5100
gtctgtcctt	agtgtgtg	ctgcctggcc	ctgagtgggt	gtgaatgttt	ggtgaacaga	5160
accaaactgt	attagaagtg	gggagaagac	agaggcatag	agctacttag	cacagtattt	5220
cctgtgaagg	gtgctgggaa	tgagagggat	ggggccacgt	cagccctgag	aagtaggatg	5280
aggagcgtgg	ccctggggga	cagaagacag	ggctgctgcc	gtcctgcttg	gtgaccacag	5340
gcaagccagg	gtctcggtcc	ctgccttagt	ttccccatgt	gtcagatggg	ctgacgctag	5400
cccctgtctc	acggagctgg	aggctcagag	ggtctgtgtg	tggggccagt	gctcactcag	5460
cgtcagcagc	tgttggtact	ttgtgcttga	acacccccct	cccactgttt	gaggcccaga	5520
ggaggggggt	ctttctgcca	tttgccggcag	cagcctggcc	cctcctcggg	tagcactggg	5580
ggccaggtgt	cctgctggcc	cctgggctgg	aacgcactct	ccagtctcta	ggccccacct	5640
agcacgggac	ggctgggccc	gggtcctcct	gggccagcgg	cctcttccct	gggagctgtg	5700
tcaggttggt	tgagggtggg	ataggagggg	cggtgggacc	cccggggagg	gggctgttct	5760
gctactctgg	tgactttggc	tgcttgttcc	caggtgacct	ccttcagcac	acccccacc	5820
ccagaacgga	acaaccggcc	tgcttctctc	tccccatccc	tcaagaggaa	ggtgccccgg	5880
aaccggatcg	ctgagatgaa	gaagtgcgac	tcggccaacg	acagcgagga	gttcttccgg	5940
gaggacgacg	gtggaggtga	ccccccactc	cgtgccctag	ggtccccgtg	cccttcagtc	6000
tcttcttgat	ccagaccagt	cattcattca	tttattcatt	cattcatttg	ttcattcagc	6060
agcacttaga	gagtgggtgc	catgtgccag	gcagccctcc	aggagctgag	gggtagagct	6120
ggggacaggc	agaaatggct	gcctctgggg	gtcccgtcct	ggtgggctca	ggcgtctcct	6180
tggcagatgt	cttggagcgc	agatgtgcag	cagttgggtca	gtttcagggg	atttcccacc	6240
tttctaaggc	ttttcagcct	gcttaaggaa	gaaagcggat	gggtgatctg	atggctccgc	6300
acacacgggg	tgtggcggga	gagaggaggg	cttccctccc	ttgcgctgcc	ttgggcccagc	6360
tcgccctcag	ggtgaggcct	ggccctcctg	gctctgtgca	gcctcccaga	accacgtgct	6420
ctttggtgac	acagtcgcca	cctcgtgcag	cctacccccg	gggccttctt	gtgcccctgt	6480
cccctggact	ccggttgtct	gtatctgggt	gttaccatgc	cccttagtcc	tgcccaggca	6540
cagtctgcac	tctctcctga	gcacccgtgc	ctgctccctg	tcctcgctca	gtgaccttcc	6600
agaatacagg	agttgttccc	agagccccc	gggaggcctc	tgaggggttt	taagcaaggg	6660
agtgcacaa	tcagattagc	atatttaaaa	tgccactcag	cagtctctgt	gggaaatggc	6720
tcctggggag	aggcgtggcc	gtcacagaca	ggttgggaag	ttctgccatg	ctctgctggc	6780
atggaccacg	tgcccttctc	actgtcatcc	tcaggaccca	gcgggcgcct	ggctccgcac	6840
tgtgtgcgtg	tctgttgagt	gtatggaagt	gaaggattgg	ccaggcacag	tggctcacc	6900
ctgtaattcc	agcacttagc	gagaccgagg	cgggtggatc	acctgaggtc	aggagtccga	6960
gaccagcctg	gccaaatagg	tgaaaccttg	tctctactaa	aaatacaaaa	aattagccgg	7020
gcatgggtgg	gggcgcctgt	aatcccagct	actcaggagg	ctgaggcagg	agaatctctt	7080
gaacctggga	ggcagaggtt	gcggtgagcc	gagatcgtgc	cactgcactc	gagcctgggc	7140
aagagtgaga	ttccatctca	aaacaaacaa	aaaaaaacga	cgtgaaggat	tcgctgacaa	7200
ctcccactga	gcacctcccc	cagcagggag	cagggctgca	gcattgatca	gaagaggtgg	7260
cagtctttgt	cctgaccact	gggaccaaac	agcaggggtg	tcccacctgc	tcaaggccct	7320
ggcctgggtc	agggactcca	gcactggcct	cgacctgctc	ttgtgtgaac	ttgggccaagc	7380
cccttcccca	cctgggcccc	ttcccgaatc	agtaagaagt	actgatcact	gccctagtct	7440
gcctctctgg	ggcaggttcc	cccagcctgg	accgcaggac	tgggtaatgg	tgcaggtcgg	7500
ctcagccttg	ctgctcccat	gctctgcagg	tggcgggtgc	tagttccagg	gacagggcct	7560
gcagaagcag	agaattacac	agtgtgtgtg	ccagaacccc	cggaggagac	taagcttgtg	7620



acagagaaga	gagagatgag	gggggtggcc	aaagtcttcc	tggagttgga	ggcctgggtc	7680
tgggccagag	gaagcagga	ggggtgttac	aggcgaggag	gcagcagctc	tggagcgtgt	7740
gggtgctggg	gtgggggtgt	tggtaaggag	cgtcctggcc	tcagcagagt	ttggcctcag	7800
cctggactgg	gagctggcct	cctgctgctc	ccgcgcgctc	ccatgctgtg	ggggccttga	7860
cctggccttc	tttccctccag	ccgatctgca	caatgcaacc	aacctgcggt	ctcggtccct	7920
gtcgggcaca	ggacgggtccc	tggctcgggtc	ctggctgaag	ctgaacagag	cagatggaaa	7980
cttcccttctc	tatgcacact	taacctacgt	cacgttgccg	ctgcatcgga	ttttaacagg	8040
taatgctggc	ggatgtgggg	aagcagccgc	accttctcac	agccagctct	gcctccaggg	8100
ccttggtact	tgtgagccac	ccggagtcac	cccgcctgt	cctgtcgggt	ggttgggttt	8160
ctttgcaggg	ctcttggcct	ctttgtctca	gactttgggt	ggagccgtag	ctttccaga	8220
gctgaagtcc	tcccttgtt	cacctttctg	gcgcacctgc	tgtccctct	tgagtggcca	8280
cagatgcccc	ggtgtgtgtt	actcacgggc	gagggagggc	tctcaggcca	cctcgctgac	8340
ccaggcctgc	agcagctgtg	acaggcagtg	gctctggccc	ccacaccagc	ttgcacctga	8400
ggcctgcag	ggtgtgccgt	tgtgtgcagc	ccatttccca	gtctgcaggg	tgaggatggt	8460
ggagacacgt	ctcctctgca	gtctgtgagg	cctggagagg	agatgcatga	gtggctgagg	8520
cgggcttcc	tcagaagtgg	cactgccgtg	accatagcac	tcaccgctgt	tgagggttac	8580
tgtttcacct	gcttccctcc	tgccggccct	agacatcctg	gaagttcggc	agaagcccat	8640
cctgatgacc	tagccgcgtg	cggagcctgc	gcagagcccc	ggccggggcc	agccctcgga	8700
gtgctgcaa	gtgcctacct	gtccaccgcc	accggggctc	gcgatggcac	gccagtgtg	8760
gagccgcagc	caggcgaggc	cactcgactc	ccggggccgg	ggccgactcc	acgaacacca	8820
gcccaaatgc	aagtgcctct	tccctcccc	gctggcgctg	ctccgccttg	tgccccccgc	8880
ccatgcctcc	ccaccctct	ctggagacc	ctctgcaccc	aaagaggact	agagatgccg	8940
agcggccatg	agagagagcg	gaaggagcag	ctgatgcca	gagcggggcc	agagcggcgg	9000
gtctatgttc	acgtccccc	agcagcaggc	ggaaccaccc	agccagggca	ctcagtgcac	9060
tggactgtcc	acatgttctt	gaggaaagcc	ggtggaagat	tctggaatgc	cgtgcggatg	9120
aacttcagca	cccagctcag	tcccagctca	tcctccccag	tttaccactt	tgttctaata	9180
ggagatggga	acacgagaag	tttgatggct	ttgccctggg	ctgggaatac	ctcaccacag	9240
cccagttcca	gaaaggcctc	cagctgagca	gacggccccg	atccccccag	aacggccttt	9300
tgttccagc	caaagaacac	cgccaacacg	cacacctcca	acctgggaca	tcccacgctg	9360
ggcctcgcac	ggaggaacct	gcagaatttg	gattctgagg	gtagtcggga	ggcctcggtg	9420
gccaggcaga	acaggatatc	tgccaaaggg	tgtctgatgt	ggggtggggc	tgccatcctc	9480
ccaggaaggt	tctaggtggg	accccgctct	ctggggcgcg	gggtgtcttt	tcatcttccc	9540
tggtttccca	gaactcactt	cctttgacgg	cgtgtgttgg	tcccatctct	cagaccagct	9600
cactgaggca	gaggagtgtc	tcagaggctc	acatgggcac	ccccattggt	tcgtgtgagc	9660
agctgcccag	ccccaggcct	gccctcggcc	tggctccagca	tgaaggcggt	tccatctgca	9720
aggatgcacg	gtaccctccc	cgagagcagg	cctgtcccc	acccaactgg	gaataaaactg	9780
gaagctgggt	ctctttgttg	ctatgttttt	ttgtttgaag	ttcccaggaa	tatttgaggg	9840
gttccgggtga	tgtgtttagg	gatcttctct	gtgggggaaa	aggaagagga	gggtccttgt	9900
ctcccatctg	tttattcttt	gggctctggg	aacaggggac	tactttgggg	ctttctccag	9960
acttttgtat	gttgttatta	aaagcgagct	atttgcatttc	attctgcctc	agtttgccca	10020
cctgtgaaat	ggggctgata	ccacctacct	cactgaagtc	ccagggttca	agtgtgtggc	10080
tgggtcaggg	cgtggtcacc	cgtcattctg	cataggctcg	gttggatgtt	agactcctgg	10140
gatgccctcc	tccccctcgc	cctttgtaac	aacctaatct	gagaccgtgc	ttggtggggg	10200
gatgtgaact	ttctctctcc	cccagcagtg	tctgtctcag	cctgacagct	cagctctgca	10260
cgatttcatg	ttcctaaacc	catgtcttag	ggcagcacag	agccagggtca	tgtcatgccc	10320
caaagtgtgg	ggacagagcc	tcaggagacc	ccgagcatgg	tccagcccca	tttgagtgtc	10380
ctccggggat	gccaaatgct	gcttccaagt	ttgagtccat	gtggctaaaa	tacaccatt	10440
tcttcaggaa	ctcttccctc	ggttgttctg	gggatcttgg	gagaaacaca	gccctgacag	10500
ctcgtccgtg	ggaagatgag	gcagtcagg	ttgtgaggag	cacagcggcc	cgccctctgt	10560
tctcagaggt	gaggggcggg	agaaggttgt	ctcctctggg	gccagcattt	ggccaagctc	10620
ggaggcttgg	ccagcactgc	tggatggctc	agagcaagct	gggtccccg	tctgtaagat	10680
ggcaaaaatg	ctgccccct	cacagggtga	ccatgaggac	cagtcacagt	gatgtgtgaa	10740
agggctcgct	ggtcacagaa	acgtgtacaa	atcatgctat	tttagagatc	agccctcaat	10800
ttgtaaggca	tgtgaacagg	gcacgcgggtg	ggctgggtgg	ttcatagccg	acacacagcg	10860
cctaccatgt	gcagctgcct	gtccgacccc	atcttacaga	cgagaaaacc	agcacacagg	10920
caccaaggaa	ctgtccggaa	ctaacagcag	gggcccgcga	tgggagtcaa	accaggcac	10980
gcggcctggc	ctgcatgctg	agccacatgg	tctgtcccg	acagatggac	agacactcgg	11040
tggagtctgc	ctttctcagg	ccctaaatcc	ctctccaaag	ggtacttgcg	atgccggatt	11100
taaaacttgc	tcagagccac	ttagccactt	gagaaccaga	cagtaagggtg	ttactcccag	11160
gtttgttttt	ccaaagtaac	agatgacatg	tgggaataaag	taatagagta	acaagtggca	11220
gggccagaac	cagggtcccc	aaagtcctgg	tgttggcaca	tttgtacttc	ttgtaagacc	11280

atctttaatt	tttctgggaa	cacacctgcc	ttttgtgtaa	tgcggggaag	actaatgcat	11340
ggtgacacct	agttttcctc	aacaggacac	ttgatcccaa	aaccccttta	agaccttagg	11400
tttcttcagc	ggaaaactgt	actttaatcc	caaacccctc	ttaagacata	ttggggctgg	11460
gcgcagtggc	tcacgcctgt	aatcccagca	ctttgggagg	ctgagatggg	tggatcacct	11520
gagatcagga	gttcaagacc	agcctgacta	acatgttgaa	accccatgtc	tactaaagat	11580
agaaaaatta	gctggacatg	gtggcaggca	cctgtaatcc	cagctactcg	gaaggctgag	11640
gaaggagaat	cacttgaacc	tagtaggcag	aggttgcagt	gagccgagat	cacgccattg	11700
cattctagcc	tgggcaacga	gagcgaaact	ctgtctcaaa	aaaaaaaaaa	aaaaaaaaaa	11760
aaaaaaaaaa	aaaaaagata	cattgggtctt	taaacccaaa	ccccctttaa	ggcatgtttg	11820
tctcaagggg	atttgggatt	gaagcacagc	tttctgttga	ggaaacctag	gtgtcacttt	11880
ttagaacatt	aaaaagaaag	ttgtagggtg	ggctttttcca	tttaaaggaa	tgtgatgatc	11940
ctaggttctg	atgagtgata	gggtggtctcc	gtttataccc	tttcttcttt	tggcacctgt	12000
aagttccggt	agtggccatc	ttacattctc	atgtcctgct	ggaagtgcct	agttgcctgc	12060
aaagccagct	aaggcttatt	atttcaaaag	aagattattt	aaaacatgag	tgacaggtag	12120
tcagaagaga	acaaaaggac	gcaagatact	ctatagccaa	gtcagcttgg	aggcaggatg	12180
ggttgctgag	tgaagtcgcc	gctcactttt	ggattcttat	ggactgtgag	ttagtcttcc	12240
ctctacacgg	agtcacagga	agggataaaa	tgcattgttc	tgagggtgcc	tcccccaaag	12300
aatgtacctg	cactcaaacc	aggatctggt	tttgctgttt	taatcataaa	tagactagtt	12360
agtagaagac	ttttgaagaa	caaagtaaaa	cttttttttt	tcattaaaaag	atgtcccaga	12420
ggaaaggccc	tgtgcagcca	gtatatctta	atgactgcct	ggacccatgtc	ctaataatggt	12480
ggttttaagt	tgttgcccaa	aatcctttta	agacatacga	aacatctgcc	aacttttttag	12540
cgaacttaac	aggtttcact	gacgttttcc	tcaatttttg	aatttaggtg	ggatttgcct	12600
tcattgtcctg	tttcaaaaac	caagtgtctc	ttgacagccc	actggttctt	cctgtcctct	12660
tgctctagtc	tgtatcagaa	agcagaatga	ctgtactttt	gttttacaaa	caaccacctg	12720
ataggacgga	cactccacga	gataaggaaa	ggcacgtgcc	cttgagcttg	aatggaagca	12780
gcctctggag	ggggcagcca	ctgcccttcg	aggagagagca	gctcttcagc	agtggccaga	12840
gtgccacgtg	actctgcaga	tgacccctgg	gagccgggtg	atgggcacct	gctggggcct	12900
ttgttttttc	tttttccactg	gctggcttga	tcctcagtgg	caaaaggacc	cctgagcccc	12960
ttctccgagc	cctggagcac	tcctcgggac	accgagtggc	ctcagggctg	ggttcagagc	13020
tcctcccgcga	gggggagcct	cagaagtggg	ggcagctgct	gatgggtgag	ttacaactt	13080
cttatcctgc	ctaaggcgag	taggcgtttt	tattccgttt	ccagtccttg	agctcagcag	13140
atcaaaataa	cagtgaccct	gcaacccccc	agagcccgcg	acacgctcgc	tttcttcccc	13200
gccctgcccc	tttagtcccc	gctctggaag	gccaggcagt	ttaggtgtaa	ataggtatct	13260
tttatggttt	ccaaatgaat	tatttgtgtg	agagtaatta	aatctgtaag	aaaacctgtt	13320
gagattcttc	actatgaatt	atgacttcta	caacatgtat	tttagcaaaa	acacgatgct	13380
ggcctccact	ggatagctca	gtatgctgat	tgccagtgat	agttctgtac	gcgttaccaa	13440
cagcgtcttt	attaaccctc	ttccacatcc	agtggaaatc	attgctaggc	ggtatttgtt	13500
ggttggctgt	tagctttgct	ttatgatttc	atgtttcttt	taaaggttgt	tttgcattgt	13560
gaatattaaa	tttttttttt	ctgtgtcttc	ctctaattct	tttctgtaat	gggaatttca	13620
gggtaaatac	agatattata	gcaaaag				13646

<210> 8857

<211> 7770

<212> DNA

<213> Homo sapiens

<400> 8857

ccggaaccgg	atcgctgaga	tgaagaagtc	gcactcggcc	aacgacagcg	aggagttctt	60
ccgggaggac	gacggtggag	gtgaccccc	actccgtgcc	ctagggtccc	cgtgcccttc	120
agtctcttct	tgatccagac	cagtcattca	ttcattttat	cattcattca	tttgttcatt	180
cagcagcact	tagagagtgg	gtgccatgtg	ccaggcagcc	ctccaggagc	tgaggggtag	240
agctggggac	aggcagaaat	ggctgcctct	gggggtcccc	tcctgggtgg	ctcaggcgct	300
tccttggcag	agtgccttga	gcgcagatgt	gcagcagttg	gtcagtttca	ggggatttcc	360
cacctttcta	aggcttttca	gcctgcttaa	ggaagaaagc	ggatgggtga	tctgatggct	420
ccgcacacac	ggggtgtggc	gggagagagg	agggcttccc	tcccttgccg	tgccctgggc	480
cagctcgccc	tcagggtgag	gcctggccct	ctggctctcg	tgacgcctcc	cagaaccacg	540
tgctctttgg	tgacacagtc	gccacctcgt	gcagccctacc	cccggggcct	tcctgtgccc	600
ctgtccccctg	gactccggtt	gtctgtatct	gggtgttacc	atgcccccta	gtcctgcccc	660
ggcacagtct	gcactctctc	ctgagcacc	gtgcctgctc	cctgtcctcg	ctcagtgacc	720
ttccagaata	caggagtgtg	tcccagagcc	cccaggggag	cctctgaggg	gttttaagca	780

agggagtgac	acaatcagat	tagcatat	aaaatgccac	tcagcagtct	ctgtgggaaa	840
tggctcctgg	ggacaggcgt	ggccgtcaca	gacaggttgg	gaagttctgc	catgctctgc	900
tggcatggac	cacgtgcctt	cctcactgtc	atcctcagga	cccagcgggc	gcctggctcc	960
gcactgtgtg	cgtgtctgtt	gagtgtatgg	aagtgaagga	ttggccaggc	acagtggctc	1020
acccctgtaa	ttccagcact	tagcgagacc	gaggcgggtg	gatcacctga	ggtcaggagt	1080
tcgagaccag	cctggccaac	atggtgaaac	cctgtctcta	ctaaaaatac	aaaaaattag	1140
ccgggcatgg	tgggtgggcgc	ctgtaatccc	agctactcag	gaggctgagg	caggagaatc	1200
tcttgaacct	gggaggcaga	ggttgcgggtg	agccgagatc	gtgccactgc	actcgagcct	1260
gggcaagagt	gagattccat	ctcaaaaacaa	acaaaaaaaa	acgacgtgaa	ggatttcgctg	1320
acaactccca	ctgagcacct	cccccagcag	ggagcagggc	tgcagcattg	atcagaagag	1380
gtggcagtct	ttgtcctgac	cactgggacc	aagaacaggg	gtgtcccacc	tgctcaaggc	1440
cctggcctgg	gtcagggact	ccagcactgg	cctcgacctg	ctcttgtgtg	aacttgggca	1500
agccccctcc	ccacctgggc	ccgttcccga	atcagtaaga	agtactgatc	actgccctag	1560
tctgcctctc	tggggcagggt	tcccccaggc	ctagactgca	ggactgggta	atggtgcagg	1620
tcggctcagc	cttgcctgctc	ccatgctctg	caggtggcgg	tgcctagttc	cagggacagg	1680
gcctgcagaa	gcagagaatt	acacagtgtg	tgtgccagaa	cccccgagg	agactaagct	1740
tgtgacagag	aagagagaga	tgaggggggt	ggccaaagtc	ttcctggagt	tggaggcctg	1800
ggtctggggc	agaggaagca	gggaggggtg	ttacaggcga	ggaggcagca	gctctggagc	1860
gtgtgggtgc	tgggtgtgggg	gtgttggtaa	ggagcgtcct	ggcctcagca	gagtttggcc	1920
tcagcctgga	ctgggagctg	gcctcctgct	gctcccgcgc	cgtcccctgc	tgtgggggccc	1980
ttgacctggc	cttctttcct	ccagccgatc	tgcacaatgc	aaccaacctg	cggctcgggt	2040
ccctgtcggg	cacaggacgg	tccctggctg	ggctcctggc	gaagctgaac	agagcagatg	2100
gaaacttcct	tctctatgca	cacttaacct	acgtcacgtt	gcccgtgcat	cggattttta	2160
caggtaatgc	tggcggatgt	ggggaagcag	ccgcaccttc	tcacagccag	ctctgcctcc	2220
agggccttgg	tacttgtgag	ccaccgcggg	tcaccccgcc	ctgtcctgtc	ggttgggttg	2280
gtttctttgc	agggctcctg	gcctctttgt	ctcagacttt	gggtggagcc	gtagctttcc	2340
cagagctgaa	gtcctccctt	tgttcacctt	tctggcgcac	ctgctgtccc	ctcttgagtg	2400
gccacagatg	cccagggtgtg	tgttactcac	gggagggggg	aggtctctcag	gccacctcgc	2460
tgaccacagg	ctgcagcagc	tgtgacaggc	agtggctctg	gccccacac	cagcttgcac	2520
ctgaggccct	gcagggtgtg	ccgttgcctg	gagccccatt	cccagtcctg	agggtaggga	2580
tgggtggagac	acgtctcctc	tgcagtctgt	gaggcctgga	gaggagatgc	atgagtggct	2640
gaggcgggct	tccttcagaa	gtggcactgc	cgtgaccata	gcactcaccg	ctggttaggg	2700
ttactgtttc	acctgcttcc	ctcctgcggg	ccctagacat	cctggaagtt	cggcagaagc	2760
ccatcctgat	gacctagccg	cgtgcggagc	ctgcgcagag	ccccggccgg	gcccagccct	2820
cggagtgtctg	ccaagtgcct	acctgtccac	cgccaccggg	gtctgcgatg	gcacgccagt	2880
gctggagccg	cagccaggcg	aggccactcg	actcccgggg	ccggggccga	ctccacgaac	2940
accagcccaa	actgaagtgc	ctcttccctc	ccctgctggc	gctgctccgc	cctgtgcccc	3000
ccgcccctcg	ccccccaccc	atctctggag	agccctctgc	acccaaagag	gactagagat	3060
gccgagcggc	catgagagag	agcggaagga	gcagctgatg	cccagagcgg	ggccagagcg	3120
gcgggtctat	gttcacgtcc	ccccagcagc	aggcggaacc	accagaccag	ggcactcagt	3180
gcattggact	gtccacatgt	tcttgaggaa	agccgggtgga	agattctgga	atgccgtgcg	3240
gatgaacttc	agcacccgag	tcagtcccag	ctcactctcc	ccagtttacc	actttgttct	3300
aataggagat	gggaacacga	gaagtttgat	ggctttgccc	tgggctggga	atacctcacc	3360
cacgcccagt	tccagaaagg	cctccagctg	agcagacggc	cccgatcccc	ccagaacggc	3420
cttttgcctc	cagccaaaga	acaccgcaa	cacgcacacc	tccaacctgg	gacatcccac	3480
gctgggcctc	gcacggagga	acctgcagaa	tttggattct	gagggtagt	gggaggcctc	3540
ggtagccagg	cagaacagga	tatctgccaa	aggggtgtctg	atgtgggggtg	gggctggcat	3600
cctcccagga	aggttctagg	tgggaccccg	tcttctgggg	gcgggggtgt	cttttcatct	3660
tccctgggtt	cctagaactc	acttcccttg	acggcggtgtg	ttgggtcccat	ctctcagacc	3720
agctcactga	ggcagaggag	ttgtctcagag	gctcacatgg	gcacccccat	tggttcgtgt	3780
gagcagctgc	ccagccccag	gcctgccttc	ggcctggctc	agcatgaagg	cgtttccatc	3840
tgcaaggatg	cacggtagcc	tccccgagag	caggcctgtc	ccctacccaa	ctgggaataa	3900
actggaagct	gggtctcttt	gttgctatgt	ttttttgttt	gaagttccca	ggaatatttg	3960
aggggttccg	gtgatgtgtt	tagggatctt	ctctgtgggg	gaaaagggaag	aggagggtct	4020
tgttctccca	tctgtttatt	ctttgggctc	tgggaacagg	ggactacttt	ggggctttct	4080
ccagactttt	gtagttgttt	attaaaagcg	agctatttga	tttcattctg	cctcagtttg	4140
cccacctgtg	aaatggggct	gataccacct	acctcactga	agtcacagg	ttcaagtgtg	4200
tggctgggtc	agggcggtgt	caccgcctat	tctgcatagg	tcgggttgga	tgtagactc	4260
ctgggatgcc	ctcctccccc	tcgccctttg	taataacctc	atctgagacc	gtgcttggtg	4320
gggggatgtg	aactttctct	ctcccccagc	agtgtctgct	caggcctgac	agctcagctc	4380
tgcacgattt	catgttccta	aacctcatgtc	ttagggcagc	acagagccag	gtcatgtcat	4440

gccccaaagt	gtggggacag	agcctcaggg	agccccgagc	atgggtccagc	cccattttgag	4500
tgctctccgg	ggatgccaaa	tgctgcttcc	aagtttgagt	ccatgtgggt	aaaatacacc	4560
cattttctca	ggaactcttc	ccctgggtgt	tctggggatc	ttgggagaaa	cacagccctg	4620
acagctcgtc	cgtgggaaga	tgaggcagtc	caggttggtg	ggagcacagc	ggcccgccct	4680
ctgttctcag	aggtgagggg	cgggagaagg	ttgtctcttc	tggggccagc	atttggccaa	4740
gctcggaggg	ttggccagca	ctgctggatg	gctcagagca	agctgggctc	cccgtctgta	4800
agatggcaaa	aatgctgccc	ccctcacagg	gtgaccatga	ggaccagtca	cagtgatgtg	4860
tgaaagggct	cgctggtcac	agaaacgtgt	acaaatcatg	ctattttaga	gatcagccct	4920
caattttgtaa	ggcatgtgaa	cagggcacgc	ggtgggctgg	tggtttcata	gccgacacac	4980
agcgccctacc	atgtgcagct	gcctgtccga	ccccatctta	cagacgagaa	aaccagcaca	5040
caggcaccaa	ggaactgtcc	ggaactaaca	gcaggggccc	gcgatgggag	tcaaaccag	5100
gcacgcggcc	tggcctgcat	gctgagccac	atgggtgctgt	ccggacagat	ggacagacac	5160
tcggtggagt	ctgcctttct	caggccctaa	atccctctcc	aaaggggtact	tgcgatgccg	5220
gattttaaacc	ttgctcagag	ccacttagcc	acttgagaac	cagacagtaa	ggtgttactc	5280
ccaggtttgt	ttttccaaag	taacagatga	catgtggaat	aaagtaatat	agtaacaagt	5340
ggcagggcca	gaaccagggg	ccccaaagtc	ctggtgttgg	cacattttgta	cttcttgtaa	5400
gaccatcttt	aatttttctg	ggaacacacc	tgccttttgt	gtaatgcggg	gaagactaat	5460
gcatggtgac	acctagtttt	cctcaacagg	acacttgatc	ccaaaacccc	tttaagacct	5520
taggttttct	cagcggaaaa	ctgtacttta	atcccaaacc	ccctttaaga	catattgggg	5580
ctggggcgag	tggtctacgc	ctgtaatccc	agcacttttg	gaggctgaga	tgggtggatc	5640
acctgagatc	aggagtccaa	gaccagcctg	actaacatgc	tgaaacccca	tgtctactaa	5700
agatagaaaa	attagctgga	catggtggca	ggcacctgta	atcccagcta	ctcggaaagg	5760
tgaggaagga	gaatcacttg	aacctagtag	gcagagggtg	cagtgagccg	agatccccc	5820
attgcatttt	agcctgggca	acgagagcga	aattttgtct	caaaaaaaaa	aaaaaaaaaa	5880
aaaaaaaaaa	aaaaaaaaaa	gatacattgg	tctttaaac	caaaccctct	ttaaggcatg	5940
ttggtctcaa	ggggatttgg	gattgaagca	cagctttctg	ttgaggaaac	ctaggtgtca	6000
cttttttagaa	cattaaaaag	aaagttgtag	ggtgggcttt	tccattttaa	ggaatgtgat	6060
gacctaaggt	tctgatgagt	gataggtggg	ctccgtttat	accctttctt	cttttggcac	6120
ctgtaagttc	cggtagtggc	catcttacat	tctcatgtcc	tgctggaagt	gcctagttgc	6180
ctgcaaagcc	agctaaggct	tattatttca	aaagaagatt	attttaaaca	tgagtgcag	6240
gtagtcagaa	gagaacaaaa	ggacgcaaga	tactctatag	ccaagtcagc	ttggaggcag	6300
gatgggttgc	tgagtgaagt	cgccgctcac	ttttggattc	ttatggactg	tgagttagtc	6360
ttccctctac	acggagtcac	aggaagggtg	taaatgcatg	ttcctgaggt	gccctcccc	6420
aaagaatgta	cctgcactca	aaccaggatc	tgtttttgct	gttttaatca	taaatagact	6480
agttagtaga	agacttttga	agaacaaaagt	aaaacttttt	tttttcatta	aaagatgtcc	6540
cagaggaaaag	gccctgtgca	gccagtatat	tctaatgact	gcctggacca	tgctcctaata	6600
tggtgggtttt	aagttgttgg	ccaaaatcct	ttaaagacat	acgaaacatc	tgccaacttt	6660
ttagcgaact	taacaggttt	cactgacgtt	ttcctcaatt	tttgaattta	ggtgggattt	6720
gcttttcagt	ctgttttcaa	aaaccaagtg	tctcttgaca	gccactgggt	tcttctgtc	6780
ctcttgctct	agtctgtatc	agaaagcaga	atgactgtac	ttttgtttta	caaacaacca	6840
cctgatagga	cggacactcc	acgagataag	gaaaggcacg	tgcccttgag	cttgaatgga	6900
agcagcctct	ggagggggca	gccactgccc	ttcgagggag	agcagctctt	cagcagtggc	6960
cagagtgccca	cgtgactctg	cagatgacct	ctgggagccg	ggtgatgggc	acctgctggg	7020
gcttttgttt	tttctttttc	actggctggc	ttgatcctca	gtggcaaaaag	gaccctgag	7080
ccccttctcc	gagccctgga	gcactcctcg	ggacaccgag	tggcctcagg	gctgggttca	7140
gagctcctcc	cgcaggggga	gcctcagaag	tggaggcagc	tgctgatggg	tgagtttaca	7200
acttcttata	ctgcctaagg	cgagtaggcg	tttttatctc	gtttccagtc	cttgagctca	7260
gcagatcaaaa	ataacagtga	ccctgcaacc	ccacagacc	cgcgacacgc	tcgctttctt	7320
ccccgccttg	ccccttttagt	ccccgctctg	gaaggccagg	cagtttaggt	gtaaataggt	7380
atcttttatg	gtttccaaat	gaattatttg	tgtgagagta	attaaatctg	taagaaaacc	7440
tgttgagatt	cttcactatg	aattatgact	tctacaacat	gtatttttagc	aaaaacacga	7500
tgctggcctc	cactggatag	ctcagtatgc	tgattgccag	tgatagttct	gtacgcgtta	7560
ccaacagcgt	ctttatttaac	cctctcccac	atccagtggg	aatcattgct	aggcggtatt	7620
tgttgggttg	ctgttagctt	tgcctttatga	tttcatgttt	cttttaaagg	ttgttttgca	7680
tgttgaatat	taaatttttt	ttttctgtgt	cttcctctaa	tctttttctg	taatgggaat	7740
ttcagggttaa	atacagatat	tatagcaaaag				7770

<210> 8858  
 <211> 139  
 <212> DNA

<213> Homo sapiens

<400> 8858

tcacacaaac	tacttttttg	aactagagtg	tggtggaggc	agagaaaaat	caccctgtgt	60
gctggctttg	cctgccgtga	gccagtgagg	agtccgagaa	gaggtgggca	ggtcagtgat	120
gggtttggcc	agagatgcc					139

<210> 8859

<211> 661

<212> DNA

<213> Homo sapiens

<400> 8859

ccagtctccc	aggagaggtg	tagacatgct	ttggtttctc	tctgatatgt	atttattatt	60
gatcttcagt	aaatttgact	ctgatctggt	aacatggggc	taatgatacc	tgcattgcag	120
ggttgcttta	aaaggattaa	taatttgtaa	aatgtgtagc	ccagaccccg	ccgtccacta	180
agagctcagt	aggtgtcact	attatcattg	atgccactta	gcaaataatga	gctctttaaa	240
tcattatgac	aactttgagg	ggaagatgcc	cttagtccat	tgtacagatg	aagaaactga	300
ggcttagtga	ggagaatgga	tggccccctg	gtccccatct	ccgtcgctag	agaactgggg	360
agcaagaatt	ggagttctgg	ccgggcatgg	tggctcacac	ctgtaatccc	agtactttgg	420
gaggtcgagg	caggaggatc	acctgagccc	aggagttcaa	gaccagcctg	gacaacatgg	480
cgaacgcca	catctacaaa	aagttttaaa	aattagccgg	gtgtggtagc	acgtgcctgt	540
ggtcctgtgt	gcttgggagg	ctgaagttag	aggatcattt	gagcccagga	ggttgaggct	600
acagttagct	gtcattgcac	cactgctctc	tagcctgggc	agcgggtgtga	gaccctgtct	660
c						661

<210> 8860

<211> 139

<212> DNA

<213> Homo sapiens

<400> 8860

tcacacaaac	tacttttttg	aactagagtg	tggtggaggc	agagaaaaat	caccctgtgt	60
gctggctttg	cctgccgtga	gccagtgagg	agtccgagaa	gaggtgggca	ggtcagtgat	120
gggtttggcc	agagatgcc					139

<210> 8861

<211> 1605

<212> DNA

<213> Homo sapiens

<400> 8861

ggctagatag	tgctatgaaa	ctaatttttg	caaaagactt	tgatgaagat	agaaaaatag	60
aaaattgatg	gaattcacca	atttggtgat	attgacaatg	tttcttaagc	taggactttc	120
ttttcctttt	tggtttgtag	cctatgatgt	tggtttacct	ggaataaaat	ctagtaagaa	180
ttcatagaat	attgaagcta	aaattttact	tagacatccc	tgtcctagct	ctttattttc	240
tgataaagaa	attgagacat	agaacatggc	acacaactca	acatctaggt	ttagcaaatg	300
tttactggaa	acctgtaagg	agcctggtag	tgtatttgca	gaggcatttg	ggacacagag	360
ctgtagttcc	cgacctagag	aaacttagcc	atactttctg	actttcattt	cattgtttct	420
ttcatcatac	cgtgctgcct	cccttctcct	cttccctcta	acttttaaata	ataagctgat	480
tttaacttcaa	agagaacatt	tcaattttta	ttcctagtat	ttaggatctc	tcgtttataac	540
ttaaaaaaat	tcgacactaa	tcttagaaaat	aactgctggt	taccactaag	gaaagatagt	600
tattctccat	gttataaatg	gcttcaatat	actttagggt	tctgggtttc	cccagcattt	660
ggcatctgaa	aaagaaagat	gtcttagagc	agcaggagaa	gtatgggata	catgagctgt	720
tcattctttg	ctgacatgaa	ctggcctgta	gaggatgagc	tgggcatttg	ggatcaagtt	780
tagagaaaat	tgacagaaaag	aaattttact	ttcttgggat	tcacaggatc	atagagtctt	840
accaacgaga	gaggcactca	aagaatgtga	aggttcagtt	gattattttt	taacttgggc	900
ttggctgtag	aacataactc	ttcttcgtat	gactttttca	tttcctggaa	ttctcctaac	960

aacaaaacaa	gaggcttagt	atccaaaagg	aatggagtaa	acactgcagg	caagcaggag	1020
cacattagaa	atctttacct	attctttatt	agatagggat	ttagtagtca	tcttaaattgg	1080
cacgatagtt	tgaatgcccc	cacttctgca	tgtggtcttt	ctcttggttc	atcttttagg	1140
tatcccagtg	gttctttaat	ataatatgta	aagggtattac	tgtagtgcaa	ggttgatat	1200
acatatctgt	atgtgaactt	tagaagagtt	taaaaggatt	ttcttaaatgt	taattctgta	1260
gcatttggct	acaggtgatg	ttacaaccca	tccccaatgt	aagacgttag	tactgtaatg	1320
acgcacttgt	cccactgtaa	ctaagtagct	ggatatgtta	caatggaaaa	gggagaatga	1380
atgattgaaa	atagattttt	attcaaaagg	aaaagaatca	ttatttccta	gtttctaaat	1440
atccttcaaa	atgagaagag	gctaaagaca	tattaactaa	gtatatcagc	agttgtctac	1500
caatattatt	tattctcaaa	ggacatagtg	gttctttttc	ctaagagaag	atagtacaaa	1560
ctatttaaat	gtagacgatt	tcctggagct	ttgaaaaaaa	gaaaa		1605

<210> 8862  
 <211> 1606  
 <212> DNA  
 <213> Homo sapiens

<400> 8862						
ggctagatag	tgctatgaaa	ctaatttttg	caaaagactt	tgatgaagat	agaaaatagt	60
aaaattgatg	gaattcacca	atttggtgat	attgacaatg	tttcttaagc	taggactttc	120
ttttcttttt	tggtttgtag	cctatgatgt	tggtttactt	ggaataaaaat	ctagtaagaa	180
tccctagaat	attgaagcta	aaattttact	tagacatccc	tgctcctagct	ctttattttc	240
tgataaagaa	attgagacat	agaacatggc	acacaactca	acatctaggt	ttagcaaatg	300
tttactggaa	acctgtaagg	agcctggtag	tgtatttgca	gaggcatttg	ggacacagag	360
ctgtagttcc	cgacctggag	aaacttagcc	atactttctg	actttcattt	cattgttctt	420
tccatcatac	cgtgctgcct	cccttctcct	cttccctcta	acttttaaata	ataagctgat	480
ttaacttcaa	agagaacatt	tcaattttta	ttcctagtat	ttaggatctc	tcgttataac	540
ttaaaaaaat	tcgacactaa	tcttagaaaat	aactgctggt	taccactaag	gaaagatagt	600
tattctccat	gttataaatg	gcttcaatat	acttttaggt	tctgggtttc	cccagcatt	660
ggcatctgaa	aaagaaagat	gtcttagagc	agcaggagaa	gtatgggata	catgagctgt	720
tcattcttgc	ctgacatgaa	ctggcctgta	gaggatgagc	tgggcatttg	ggatcaagtt	780
tagagaaatc	tgacagaaag	aaattttact	ttcttgggat	tcacaggatc	atagagtctt	840
accaacgaga	gaggcactca	aagaatgtga	aggttcagtt	gattattttt	taacttgggc	900
ttggctgtag	aacataactc	ttcttcgtat	gactttttca	tttcctggaa	ttctcctaac	960
aacaaaacaa	gaggcttagt	atccaaaagg	aatggagtaa	acactgcagg	caagcaggag	1020
cacattagaa	atctttacct	attctttatt	agatagggat	ttagtagtca	tcttaaattgg	1080
cacgatagtt	tgaatgcccc	cacttctgca	tgtggtcttt	ctcttggttc	atcttttagg	1140
tatcccagtg	gttctttaat	ataatatgta	aagggtattac	tgtagtgcaa	ggttgatat	1200
acatatctgt	atgtgaactt	tagaagagtt	taaaaggatt	ttcttaaatgt	taattctgta	1260
gcatttggct	acaggtgatg	ttacaaccca	tccccaatgt	aagacgttag	tactgtaatg	1320
acgcacttgt	cccactgtaa	ctaagtagct	ggatatgtta	caatggaaaa	gggagaatga	1380
atgattgaaa	atagattttt	attcaagagg	aaaagaatca	ttatttccta	gtttctaaat	1440
atccttcaaa	atgagaagag	gctaaagaca	tattaactaa	gtatatcagc	agttgtctac	1500
caatattatt	tattctcaaa	ggacatagag	gttctttttc	ctaaaaaaa	atagtacaaa	1560
ctatttaaat	gtaaacgatt	tcctaaaagc	tttgaaaaaa	agaaaa		1606

<210> 8863  
 <211> 1605  
 <212> DNA  
 <213> Homo sapiens

<400> 8863						
ggctagatag	tgctatgaaa	ctaatttttg	caaaagactt	tgatgaagat	agaaaatagt	60
aaaattgatg	gaattcacca	atttggtgat	attgacaatg	tttcttaagc	taggactttc	120
ttttcttttt	tggtttgtag	cctatgatgt	tggtttactt	ggaataaaaat	ctagtaagaa	180
ttcatagaat	attgaagcta	aaattttact	tagacatccc	tgctcctagct	ctttattttc	240
tgataaagaa	attgagacat	agaacatggc	acacaactca	acatctaggt	ttagcaaatg	300
tttactggaa	acctgtaagg	agcctggtag	tgtatttgca	gaggcatttg	ggacacagag	360
ctgtagttcc	cgacctagag	aaacttagcc	atactttctg	actttcattt	cattgttctt	420

tccatcatac	cgtgctgect	cccttctcct	cttccctcta	actttaaata	ataagctgat	480
ttaacttcaa	agagaacatt	tcaattttaa	ttcctagtat	ttaggatctc	tcgttataac	540
ttaaaaaaat	tcgacactaa	tcttagaaat	aactgctggt	taccactaag	gaaagatagt	600
tattctccat	gttataaatg	gcttcaatat	actttagggt	tctgggtttc	ccccagcatt	660
ggcatctgaa	aaagaaagat	gtcttagagc	agcaggagaa	gtatgggata	catgagctgt	720
tcattcttgc	ctgacatgaa	ctggcctgta	gaggatgagc	tgggcatttg	ggatcaagtt	780
tagagaaatc	tgacagaaag	aaatttcact	ttcttgggat	tcacaggatc	atagagtctt	840
accaacgaga	gaggcactca	aagaatgtga	aggttcagtt	gattattttt	taacttgggc	900
ttggctgtag	aacataactc	ttcttctgat	gactttttca	ttctctggaa	ttctcctaac	960
aacaaaacaa	gaggcttagt	atccaaaagg	aatggagtaa	acactgcagg	caagcaggag	1020
cacattagaa	atttttacct	attctttatt	agatagggat	ttagtagtca	tcttaaattgg	1080
cacgatagtt	tgaatgccca	cacttctgca	tgtgggtctt	ctcttggttc	attttttagg	1140
tatcccagtg	gttctttaat	ataatatgta	aagggattac	tgtagtgcga	ggttgatat	1200
acatatctgt	atgtgaactt	tagaagagtt	taaaaggatt	ttcttaatgt	taattctgta	1260
gcatttgggt	acaggtgatg	ttacaaccca	tccccaatgt	aagacgttag	tactgtaatg	1320
acgcacttgt	cccactgtaa	ctaagtagct	ggatatgtta	caatggaaaa	gggagaatga	1380
atgattgaaa	atagattttt	attcaaagag	aaaagaatca	ttatttctta	gtttctaaat	1440
atccttcaaa	atgagaagag	gctaaagaca	tattaactaa	gtatatcagc	agttgtctac	1500
caatattatt	tattctcaaa	ggacatagtg	gttctttttc	ctaagagaag	atagtacaaa	1560
ctattttaat	gtagacgatt	tcctggagct	ttgaaaaaaa	gaaaa		1605

```
<210> 8864
<211> 4648
<212> DNA
<213> Homo sapiens
```

[illegible]



tagtgggggt	atgatggcat	ctgactcctt	gttaccact	tectgcagct	agatacactg	2040
tcagatccct	tggcatccgg	agaaatgaaa	agattgctgt	ccactgcaca	gttcgagggg	2100
ccaaggcaga	agaaatcttg	gagaagggtc	taaagggtgag	cctaataccc	taatggagtg	2160
atattgatca	gcactccttt	agtaacacat	gtagataagt	tacatttaat	gttctgttct	2220
ttgggtgtct	gatatttatt	tacttaagct	tctaaaaggc	tttttctaca	atcagcaggg	2280
ttaaactgtt	cttgggtggt	taaaagatgc	ttgaggctgg	gcacggtggc	tcaacgcctg	2340
taatcccaac	actttgggag	gccaaggcgg	ttggatcatt	tgtggccagg	agttcgagac	2400
catcctggcc	aacatggtga	aacaccatct	ctactaaaaa	aagataaaaa	ttagccgggg	2460
ttgggtggcg	gctcctgtag	tcccagctac	tccgggaagct	gaggcacgac	aatttgctaga	2520
acctgggagg	tagaggttgc	agtgagctga	tattgtgcca	ctgcactcca	gcttaggcca	2580
cagagtgaga	ctcttgtctc	aaaaaaaaaa	aagaaaaagg	atgcttggga	gtcatttcat	2640
gcctctgctt	tctctggggt	tttctctgct	ctttggaagc	tgggagaggt	catactgggt	2700
agttgggggtg	tgaatctata	gtcagggtag	agtggaggag	tcaggttgtg	ttctcagcca	2760
agtttcatgt	acttctgttt	gctctggggg	gcatgttgca	ggctgagcta	ttaatagtta	2820
cttgggggtg	ggaggagggt	gaagatgaca	aggaatgtta	ttgctgcatt	tttctccaca	2880
ggtgcgggag	tatgagttaa	gaaaaaacia	cttctcagat	actggaaact	ttggtttttg	2940
gatccaggaa	cacatcgatc	tgggtatcaa	atatgaccca	agcattggta	tctacggcct	3000
ggacttctat	gtgggtatgaa	tatttaactc	ttccccgctc	ctggtctgtg	aggagagggg	3060
aatctttatt	tcatatgtgg	tatgttgggt	ttcacatgtt	gagttgcagc	tttgaatatt	3120
gtctgccttt	gtgttctcct	cccccttggg	gaaatgtgcc	tcatttgtgg	caaagttagg	3180
ggtgcagctc	tgaacaaggt	ggacaagatc	cctgctgttg	gggaacttgc	agtcgaggat	3240
ctgtaaagca	cccacatggc	ttaaagggtg	atgaaggaaa	ctgttccctc	cagccagtga	3300
tttgaaactt	tggagagagg	cagtattggg	gccacatttg	gcctatgggt	tgggttgctg	3360
cactgaggct	gttctccccc	tggttcttcc	tatagaaaca	gctttgggtg	atgcagtggg	3420
ttgctcagga	aggggggttt	aacatagaaa	tgaccttttg	tggtactgcc	gtgttttggt	3480
ccaacaataa	aactgaatag	cctaaatcag	aagtcctgac	tagtgtggaa	cctgaaagat	3540
ggtggcacc	tcattagaca	gacaagtaat	aagacttgga	tactcacagg	atgttgagg	3600
aacagcacac	ctttgggaag	catttttgag	ctgaagcaga	aggaagaaaa	tatatatatt	3660
tgtgcttctc	agagttgtat	gttttctaca	ctgctggtgt	ggcaatagat	ttttaaattg	3720
tacttttaaa	aagaaaaatg	gagatttggg	agcagtaatg	gaggatcctc	agcaccactg	3780
gaaaaatagg	tgggttaggg	gggtgctgaa	agttccagcc	tccaaagcaa	acttacagta	3840
tggctgtgtg	ttgcgtggga	tgctggtggc	agctttgtca	gacacagatc	atgggtcttg	3900
ctccagaatc	cattgggctg	ccaagtgact	ctttgaagat	ctgtctgtaa	tgtgtgagtc	3960
ttgtccatct	gctcttgact	ctgagctggc	taggtgactg	ttggttattc	ctgggacagg	4020
tgctgggtag	gccaggtttc	agcatcgag	acaagaagcg	caggacaggc	tgcatgtggg	4080
ccaaacacag	aatcagcaaa	gaggaggcca	tgcgctgggt	ccagcagaag	gtaaagctga	4140
tttatctcaa	gtgaagtggg	ggaatgtgat	gttgggtgaat	ggagttggga	tttggggatg	4200
caaaatatag	tactatttgc	tgggtatctt	ctttaaagtt	agaatattgg	gcatcttgac	4260
aaatcagggg	cttccaggga	tgatggttta	aaagaacatc	cagaactagg	ccttctccct	4320
gtcaccatga	atgggggtag	atggaagggg	aggaatatgg	cttttaacag	gagccccctt	4380
tctcagatga	tagtgaggtt	cagcacagtg	taaaaaccag	ccagcttccct	atttagtcca	4440
gaaaaggatg	ggattcagag	cccaagttca	tgtatcaatc	agatgtgaat	tctcaaaagt	4500
tagccattgc	tgcaatctct	gctgttgcc	cctgttctga	aaaaattaaa	tctcttctct	4560
ttcagtatga	tgggatcatc	cttctgggca	aataaattcc	cgtttctatc	caaaagagca	4620
ataaaaagtt	ttcagtga	tgtgcaat				4648

<210> 8865  
 <211> 638  
 <212> DNA  
 <213> Homo sapiens

<400> 8865						
acaaccccg	catcctctga	ttggatgcca	gtatttctctg	gcagatccaa	gtccaagctt	60
catagcattc	attgcctgtg	cttgccacac	cttgggtgat	gtgctgtggt	gcagtagccc	120
catttggagg	ggagggtttg	gttgatgttg	gggtttgaat	ttagagcctt	ggtaagcag	180
ggtgcagtg	tcctgtgttc	caggaggccc	cctgctattc	agtgattctg	ttctgtacta	240
gaaattttat	cagcattgat	gcgtcatgaa	ggaatgacag	gctttgggtg	gatgggtgag	300
attaaattta	gacttaactg	ttcaggctca	ggtttctttt	acaatgagag	tataagggtc	360
ttggggaggca	gtatgtgcag	ataagagggc	agtccttccg	ttccagccc	tttcttttaa	420
ctgttacctc	gggtgagttg	ttaatctgcc	tcagtttcc	tatctgtatc	aggaggcagt	480



cagagtggtgc	acatgatgtg	agggcagttc	tgtgggaccg	agccctgaaa	cctgcagagt	2220
ctgatgataa	ccctcagcgg	ttagtgttag	catagcatcg	aactctagga	taccagttg	2280
gcatcagaga	aagtgttgct	ggaaaagaca	ctgtgtat	ggtgtcagaa	agaaccacag	2340
attcatagtt	tttttttttt	ttttttttga	gacagtctta	ctttgttgcc	caggctggag	2400
tgcagtggcg	tgatcttcgc	tcactgcaac	ctctgcatcc	tgggttcaag	cgattctcat	2460
gcttcatcta	ggtgccacca	tgcccaccta	attttttgtat	tttttagtaga	gacctgttt	2520
agccatgcta	gccaggtcgg	tctcaaactc	ctgacctcgg	gtgatccgcc	cacctttgcc	2580
tcccaaagtg	ctgggtttac	aggcggtgaga	catcatgcc	ggcctcatgg	atagattttc	2640
aatgtgaaaag	actcaagtta	aatagtacac	atagtgtgaa	aacaaagttc	cccctctgta	2700
tacttttttt	cctaattccc	tagtatgtca	ctaacaaatg	cttgtcttcc	tgttctaggg	2760
atttacctgt	gaggacatct	atgtctgcat	gcgtgtgtat	gtgtgtgtat	acatgcgttg	2820
tatacatata	catgtatcta	tgcatgtcaa	tgcttacatg	tatgatggct	tattttttat	2880
ggccactgca	tagtttattt	gttgttttgc	taaatatcat	ggtatagt	acatgaaggg	2940
ggtcatgcta	gattattctg	cacgtactat	atgactgtag	catatagt	aggggtgcaa	3000
gtaggtgctg	aaaaacactg	cagacattct	catgttagca	agaggattta	atggctgcat	3060
attacagaaa	cttatgattt	gttgatttaa	tggatggctg	catggttatt	ataaaatata	3120
gaatatttta	ctatgacttt	gcttttttca	cagtatattt	aaaaaactag	gaatacagtt	3180
tatttgtgaa	catgaatttg	tactgcaagg	gtccacttat	atccaaactt	gaatcaaaaa	3240
tatagtattc	tcaggatgtg	aaactcgctt	atacagagta	acataagcag	attccactag	3300
gccaactgta	ggtcatgagt	atgcacaatt	tcggtatatg	tggggcatcc	tgaaccatt	3360
ccattgagta	taccaaggga	caactgtgca	ggtgcagctt	atgtggtgaa	aatgggccga	3420
acaacttcat	atttcttcca	tgtcaataaa	agagaaacat	attaagcagg	actgtgttat	3480
tacaggaatc	actgaccctg	gaggatgttg	ctgtggactt	cacctgggag	gagtggcagt	3540
tcctgagccc	tgctcagaag	gacctgtgac	gggagtgtat	ggttgagaa	tacagcaacc	3600
tttgtcagtc	gggtgaggac	agctgccctg	tgctactcag	agggtaacca	gtcagtgggc	3660
tttgtcttct	cagcttctgg	aagctttggt	atgtctgtct	tgctcccaaa	tggcagatcc	3720
tcaggcccg	ctctggtccc	acaggaagag	gcataatctt	ccttcgtctt	agaaaaaaag	3780
cctttaattt	gctaacatgc	aaattatgca	gtccctaaca	tgtacctttc	tcctatcatc	3840
agagccacgt	ggtgcaattc	agtgagccta	agtcttctcc	catttcccac	aaacagggta	3900
tcaagccggc	aaacctgatg	ccctcaccaa	ggttgaacaa	ggagaaccac	tatggacact	3960
agaagatgaa	atccacagtc	cagcccaccc	aggtaagtga	gagagaacca	gcaagagggg	4020
aaggcagcgg	aagtcacatt	ctggctcatt	agagaaggca	tgacagttgt	gaaagtgtct	4080
agggagacag	aaacagctgc	cacatcttct	tctcccctag	gatacaagag	ctctttttct	4140
tataggaatt	catagaagca	tacatcccc	tttatctctt	cttggaaactg	atccctattc	4200
atttcttctt	agatgttgag	ttgcttcccc	taagtctctt	tgtctgggat	tttcacatct	4260
tcccattctt	cttcactcat	tgctcagagga	tcattttgtg	tttctgaggc	aaaaacgaca	4320
aactgttttt	ttctctgtca	catagtcact	caacacagca	tttatgccac	tggatatata	4380
ggggttggtt	tctcacagcc	caggcaattc	tccagcagac	atcagctggg	tatcgtctgt	4440
ttcaaatacag	ctctgaccct	atctacctga	tacggcatca	gatccaccgc	gttaagggct	4500
cagtccaaga	ctgtgtccca	cttcagatgc	cagtggcaag	tcccagggtg	tcacctcagc	4560
ttctgaccaa	ccagctgtaa	agtatgggtt	cccaagaccc	tctcctcaag	tttgattaat	4620
ttgtctgaac	agcatttata	tgtatgtcgt	tgtgtgtata	tgtgtgtatg	tggtgtgtga	4680
tgtgtgtata	tacatttata	tatatacttt	atataattat	atgtatatat	acatttatat	4740
aagagagaga	gggagaaaga	gtgccataag	cattgtctag	agttactgat	tcacaaagtg	4800
agataagaac	tgaggcatag	gaggccgggg	atggtggctc	acacctgtaa	tcccagcact	4860
ttgggaggct	gaggcggggc	gatcacaaag	tcaggagttt	gagaccagct	ttgccaacat	4920
ggtgaaaccc	catctctact	aaaaatacaa	aaattagccg	ggcgtggtga	catgtgcctg	4980
tagtcccagc	tactcaggag	gctgaggcag	gagaattact	tgaacccagg	aggcagaggt	5040
tgcaagtgagc	tgagatcgcg	ccatttcaact	ccagcctggg	tgacagagtg	agactctgtt	5100
tcaaaaaaca	aaaagaaacg	aaaaacaaaa	aaacaaaaaa	actgaggcat	cggtatgtga	5160
ttatggtttg	ttttttcacat	tctgacacta	tgtatttttt	accttgaatt	ttctttttct	5220
gaaatgggtt	tttaatacact	acaataataat	aatatcttcc	atgtctaaat	tccatttcta	5280
ctttgcatcc	caatcacaca	caagccactc	ccatagatac	cacatcagtg	tgattttggtg	5340
gtgcttgagg	ttccttttgt	actctggagt	caagggcctg	gttttcatte	ttcttcatgt	5400
aagattgaaa	tacatcttgg	tcattcatgc	atcttctcat	cgaaggacag	attagccagg	5460
ctgaagagag	gtcatacttt	tccatctatt	aagcatttct	taaaggctag	atctttatta	5520
aaggagtttt	catgacactg	tccataccaa	ggcctcttgc	tctgtgagtc	tggttttgtt	5580
agaattgagt	tgggggcctg	ggcgtgtctt	tacatgaagc	tctctcgggg	gctgttttta	56

ttaaagtgaa	tagtaaatac	agaaagaatt	gtaggacttt	agaagaaatg	taacctacag	5880
tggtctagac	aagatggaga	aagacagact	gataaaatat	cttatgcaag	agacatagct	5940
aggtattgaa	ttaagatgaa	gacatatgac	aagaagttgt	agaactggaa	atgcaaggcc	6000
atgtggggac	tgtcagaaga	ttagcctgaa	ggccggtgac	ggtggctcat	gcctgtaatc	6060
ccagcacttt	gggaggccga	gttgggcaga	tcacctgagg	tcaggagttt	gagaccagtc	6120
tggccaatgt	ggtgaaaccc	tgtctctaca	taaaatacaa	aaaattagcc	aggcgtgggtg	6180
gcacgtgcct	gtcatcccag	ctgctcggga	gactgaggca	ggagaattgc	ttgaacctgg	6240
gaggcggagg	ttgaagtgag	ccaagatcgt	gccactgtac	tccagcctgg	gtgacagagc	6300
aagactccat	ctcaaaaaaa	aagaaaaaaa	aaagatttagc	ttgaaactgg	tcacatggag	6360
gccacagtta	gaagatatatt	gctgggaaat	ggtgaagtgg	gaacttaaag	tggatgcgtc	6420
atggtaatgg	taaaactttt	attgttcagc	tcctgctgtg	aattttctgt	gccagtaatt	6480
cagggtagtg	gtggaggtaa	agttttgtat	ttttctagct	ctaggtagag	cttacctttc	6540
acctggtggc	agtactatag	caatcatact	gtatagctga	tgttctaaga	aaaactaaaa	6600
gtaaagctgc	ctcaagtctt	gattcagaag	tagggaggtg	gtccttgagg	gctccattca	6660
ccgatgccaa	cagagacata	agtacaaaat	tcagagagta	gaggctgtta	gtggcaagggt	6720
gaggaattag	tatatagggg	acagcaaagt	ggaaaaaaa	tccaatatga	catctgtgca	6780
agtagggcat	gatgaagaag	gtgacagttt	ccatatattgg	tgcagtggca	gagctgtgtg	6840
gagaggacca	cgtgtttctgc	ttgcatgttc	tgaagtgcca	tagggatcac	cctgtttctc	6900
tttctgttgg	aacatatgag	aatatatcat	agccaggtag	atacaagggtg	ttaacaaaaa	6960
aattgaggag	gcaaagagaa	acttttatatt	ctaacaaaag	atgattcgca	gatctgagtg	7020
gtgtgacttt	gaggaagtgg	aaaaaacaca	catcactgaa	gaggggaaac	tttttttttt	7080
ttgccttgca	ggaggctttt	tgccttctag	gatttgcttt	gcataacctat	tcagttagag	7140
atggggagtc	ttatgaatat	ctttatgaga	atcagcaaac	atgtgcatag	tgagcaaaaa	7200
tatatgtaac	atataatcca	ctttcatatt	ggagtggagt	tttaacatta	aaatgagggtg	7260
gaatttgact	gtatgctagc	aggctcttta	caggatataa	gaaaagtctg	cacagactcc	7320
ggcagctgac	caaaacagct	ggtgtttatc	aggagaagga	tattgagatc	agtctcctgt	7380
ccaatcatag	ctgcagttat	ggcctgtgga	atgctgttgg	gggtgagggg	catcagttag	7440
tcagcatctg	gtggtccggg	agctgcaatt	gtttcaatat	tgcttgtccc	aaggccagtg	7500
tttgtttagc	tgctacagaa	aaagaaacaa	aacaaaacaa	aacaaaaaac	actcgtggca	7560
gttagaacat	agtttatctt	ttaaatgtag	ggggtgtgtg	acttaaccct	tacctgtatg	7620
tccttagacc	tagtttatag	tttggtatct	tattgtctaca	aagagtctgt	tccatcagtc	7680
ttgtgatctc	tgttttaaca	aagggttagag	tattgactgc	agttttcctg	gaaatatgag	7740
attggtgctc	taggaaagtt	agcgtgatga	tggtctacag	aatggagaag	ggcatatttt	7800
agcacccaac	agtctaatag	gattaggtatg	aagtcaaagg	ctgtgtatcc	aacattctaa	7860
cttgcccttc	tgggatattt	attctactac	ctatgtctgc	tgtttcccta	ctcaggatta	7920
ttctttttta	aattaaaaaa	aaagtttttg	tagagacagt	ctccctattg	tagcccaggc	7980
tggtctcaaa	ctcctgggct	caagtgatct	ttccacctca	ccctcccaaa	gtgctgggat	8040
tacaggcatg	agccactgtg	cctggctggc	aaattttttt	tttttttttg	agatggagtc	8100
ttgctctgtt	ggcagactgg	agtcagctgg	gcttgctctg	gcttgctaca	acctctgtct	8160
cccaggttca	agcgattttc	ctgcctcaac	ctcctgagta	gctgggacta	caggcacgtg	8220
ccaccacgcc	cagccaattt	ttttgtattt	ttagtagaga	tggggtttca	ccatgttggc	8280
caggatggtc	ttgatctctt	gacctgtgtg	ttcccccgcc	ttggcctctc	aaagtgtctg	8340
gattacaggc	ataagccacc	gcacccagct	ggcaaatttt	atcttatatg	tatttaacta	8400
caattcttaa	aagttttttt	aacagatagg	gaacacttat	acttggaatt	ccttccatgt	8460
tggtattata	ggggttccag	taaaaagcca	gccaaaccca	aggcatcttt	gaagcagttt	8520
tattccgtgt	gatgatcatg	gaaggattta	ttgttctctc	tcttagaaat	tgagaaaagct	8580
gatgatcatc	tgacgagcc	cttgcaaaaac	caaaaaatat	tgaagaggac	gggacaacgc	8640
tatgaacacg	gaagaacttt	gaaatcatat	ttaggtttta	ccaaccagag	cagaagatac	8700
aacagaaagg	agcctgctga	gttttaatgga	gatggagctt	ttctccatga	taatcatgaa	8760
caaagtccca	cggaaattga	attccctgaa	agtagaaaac	ccatcagcac	caagtcacaa	8820
ttccttaaac	atcagcaaac	acacaacata	gagaaagccc	atgaatgcac	tgactgtggg	8880
aaagctttcc	tcaagaagtc	tcagctcact	gagcataaga	gaattcatac	aggaaagaaa	8940
ccccacgtgt	gtagcttgtg	tgggaaagcc	ttctacaaga	agtacaggct	cactgaacac	9000
gagagagctc	acagaggaga	gaaacccccac	gggtgtagct	tgtgtgggaa	agccttctac	9060
aagaggtaca	ggctcactga	acacgagaga	gctcacaaaag	gagagaaaac	atacgggtgc	9120
agtgaatgtg	ggaaagcctt	ccccaggaaa	tgtgagctta	ctgaacatca	aaggattcac	9180
acgggaatta	agccccatca	atgcagcgaa	tctgaggagag	ctttctccag	aaaatcacta	9240
ctcgttgtac	atcagcgaac	tcatacagga	gagaagcctc	atacatgcag	tgaatgtgga	9300
aaaggcttca	ttcagaaggg	caatctcaac	atacatcaac	gaactcacac	tggagagaaa	9360
ccttatggat	gcattgactg	tggcaaggcc	ttcagccaga	agtcttgctt	tgtagcacat	9420
cagagatatc	atacaggaaa	gactcccttt	gtatgtcctg	aatgtgggca	accctgttca	9480

cagaagtcag	gactcattag	acatcagaaa	attcactcag	gagagaaaacc	ctataaatgc	9540
agtgactgtg	ggaaagcctt	ccttacaaag	acaatgctca	ttgtacatca	cagaactcac	9600
acgggagaga	gaccctatgg	ctgtgatgag	tgtgagaaa	cttacttcta	tatgtcttgc	9660
cttgtttaa	ataagagaat	acactcaagg	gagaaacggg	gggattcagt	gaaggtggaa	9720
aatccttcca	cagcaagtca	cagcttaagt	cctagtgaac	atgtgcaggg	gaaaagccct	9780
gttaatatgg	taactgtggc	aatgggtggc	gggcagtgtg	agtttgccca	catcctgcat	9840
tcatgataaa	cagtttgctg	tttgatcata	tagcctccag	cggaatgctg	agtttgtcat	9900
gtcccatggg	ccttttgctc	cctgcactaa	tatgtatagt	agggtttaca	agatatgaaa	9960
tatatTTTTac	TTTTTTtat	cttataaacc	tcactacccc	tcccacaata	ttgtTTTTtca	10020
tttactatct	tgatcataga	gtttggctgg	ggaggggggc	agtttttagag	gcttccactt	10080
gggtgtccctc	agaatgatat	ctcttactcc	ggggggccaag	gtaggggtta	gctttttgttc	10140
tctttgtagt	ttagattgta	tctcttgctc	tgttcaagtt	cacaaatctt	tttgtgtata	10200
cacatatgta	catgaaaaatg	atgttcattgc	TTTTTattat	tttacccttc	attatttcat	10260
TTTTtatagt	tctcatagct	atgtctttca	gttcactaat	cttttttcca	cagtgttttaa	10320
tctgtcatta	atcccatcca	aagtatgttt	tctctcagaa	attgtaattt	ttaacctcta	10380
ataatttgac	atgggttttt	ccctgttata	tctttcata	ctttatttat	catggtttta	10440
cttttaacct	atttatgctt	tcatatttaa	agtgggtgtt	tagtgggcaa	catacagttg	10500
ggccttcctt	ttttatccag	ttaacaatct	ctgtcttttt	actgggggat	ttagatcatt	10560
tacgttcaat	gtattgatgt	tttttaggttt	aaattactaa	cttactatatt	gttggtttatt	10620
ctatgtcttc	tttgttctcc	ttttcttctt	tttctgcttt	cccttagagt	agctgagtgt	10680
gtttatatata	catattgtct	cctttgttgg	cttattaact	gtaaatcctt	gtcatttgat	10740
tccttgagat	tttatagcat	acatcattgt	gagggtattgc	atatttatgt	cctctccaaa	10800
tttacatgtt	gaagtcctaa	tccctaaggg	atggcattag	gaagtgtgac	ctttggaagg	10860
taattacatc	ttgaaagtgg	aaccctcatg	atgagattat	gtgtcttatg	agacaacaca	10920
gaagagagtt	tgttttctct	ttctctgctc	tttgccatgt	gaagacagaa	tgagatgacc	10980
atgcataaac	caggaaatgg	actctcactg	gacactagac	ctgccaacac	cttgattgtg	11040
tttttagagtc	cagttctaga	gactcctcag	cctctggaac	gtgagaaatg	aatgtttgtt	11100
aaggcagtc	gtcagtctat	ggtgtatttt	ttctagtagc	ctgaactgac	tgaaagaaaa	11160
tcatgaactt	atcattctaa	cttcaaggac	attatatcac	ttactgtata	ataaaataat	11220
cttacagtag	tatatctcta					11240

<210> 8868  
 <211> 497  
 <212> DNA  
 <213> Homo sapiens

<400> 8868						
aatttttagt	ccaagtttca	gtcaaccagc	caagtcaaca	gtagcacca	ctcaatttag	60
ctcacacact	gaaattgcc	gtagaatgta	atctccatga	atgagagtct	ttgtgcctga	120
atttccaact	gttgatttcc	cagcacgcac	aacagtgttt	gacacattag	gcattttata	180
aacattcgct	ggataaatga	gtgaatgatc	aatcccttta	aaggttctct	gaggctgggt	240
ataaaattat	agggagcagg	tttggtgcta	gaattcatca	gttaattgat	cagctgagtt	300
tcagtattga	acagaatcat	ctccccctca	gagttttgat	ttcaagttgc	tcccaccttc	360
ctggatgtaa	aggcttggtc	tgcctttggc	ttttccaggg	tgagagagcc	ctgttttcgt	420
gttggttccc	cactttgtca	actgctgatc	aactgtgttc	tccattctcc	acaccaatta	480
taaccaaagc	tttaaca					497

<210> 8869  
 <211> 9754  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (7069)  
 <223> n equals a,t,g, or c

<400> 8869						
aggggaggaa	gtaactgtag	atgtgggtgga	aatagcaaga	gaactagaag	tgagacctga	60

agaattaact	gaattgtttc	aatctcatga	taaaacttaa	atagatgagg	agttgcttct	120
tatagatgag	cagagtattt	tcttgagatg	cattctatct	ctggtgaaga	tgctgtgaac	180
attgctgaaa	ttacaacaaa	ggatttttaa	tgttacataa	atttaattga	taaaacattg	240
gaaggggttc	caattttgaa	aaaaagttcc	gtggataaag	tgctgtcaaa	tagcatcaga	300
tgctacagaa	aaatctttta	tgaaaggaag	catcaatggc	tgacagcaaat	ttcattgttg	360
tcttattttta	agaaattgcc	acagccaacc	cccactttta	gcaaccatca	ccctgatcag	420
ccagcagtc	ttaatatcta	ggcaagatcc	tccacctgta	aaaagatgat	gactcactga	480
aggctgagat	gattgttagg	atatttttaac	aatgaagtat	ttttaaatta	aggatgtgat	540
tttcttaggc	ataatgctat	tgcacactta	gtaaactaca	gtatagtata	aacgcaactt	600
acatgcactg	ggaaactgaa	aaaattatgt	gacttgcttt	attgagatac	tcactttatt	660
gtggtggcct	gaaaccaaac	ccgcagtacc	tgtagcatg	cctatatattg	atacaatagg	720
aactatattg	caggtagtaa	aaaatgatga	atagtgttag	ttcaaagcga	tagatgattt	780
gtatgtccaa	attaaagaaa	agcatgtatg	ggaaaaagat	tgctattttt	atgtaaataga	840
taagtgtctt	ctgaattgta	tttaaagaaa	agaagatttt	ataagtccaa	agaatcactt	900
aatacaatga	ataaagggtg	ataatttacc	acttttggat	taccttttat	ttaagacata	960
aattttttcaa	ctcataagct	atttaaaatc	ttttcactta	agatacctgt	tgaaattttg	1020
tttaggtatc	tggtccaggaa	cagtcttcac	ggggacaaaag	aatttttatct	attccaattt	1080
ggcccccac	cctaggtatc	tcacagaact	gtgtgtatga	ggtacagcag	gtacccaaaag	1140
tagaaaagac	aggtgaagtgt	ttgtaataca	ttttggcagt	ctgctgggta	atcatgttcc	1200
ctttgaagac	ataaaactaa	gttttttaaaa	agaaaaaatc	tcagggatga	atattcatat	1260
atataaatat	gtagttattc	attttttttc	taaagacctc	taaattttacc	tttttaaagt	1320
tgaactttcca	gaattatctg	tgcatgatgt	acttgctagt	tgctttggaa	ttgtttgcac	1380
ttttctattt	ttcctaattc	tgtagggccat	cgaaatatat	agattccaga	atgaaacatg	1440
taactaggca	tcttttctaac	ctagataagt	cttaaataatt	gtttctagag	taagatgacg	1500
atattaaggc	aaactagaac	aataacatta	atataattttc	ctctattctt	acagacagtg	1560
atctgacaca	aacacagctg	aagcaaacag	aggctcctagt	gacagctgaa	aagtgagttc	1620
tggaaagcaa	aaggagacat	ttgctaactt	tagttgaata	aaaaactcat	ttctcaaaaa	1680
tcacttggat	aaaaaaatga	agggtgatagt	attccgtgct	ggtgaagggt	gctggccctt	1740
aagtcagata	ggcctgagtt	ccagtcctga	ctctgctgtg	ttttagccga	atgattttga	1800
gcaagaaact	taacatctct	gaggttcagt	ttctttgtct	atagttttgga	ttgtttgtgag	1860
gattagatga	gacaaagcat	ataaagcaca	atgtctgaaa	catacctagg	cacctaggta	1920
gtgttaggaa	gggaaacagc	ttgtctgtgg	acctggacca	gctcaaatac	tctttgaaat	1980
tcacatactt	aaacaaagggt	caagatcaca	taaaaatatc	tttcagatct	caaaaggatc	2040
tttagttgtc	tttgattttac	taaactctcaa	aacctcttat	aagagaattg	atccaaaaat	2100
gaatatgcca	gttgaaaaga	tgatcatttt	aatttatctc	ttgaactgta	ggagaagatt	2160
gtcagagggg	tgaagatgct	ggaattcttc	attaaagaaa	taggaatatt	tggggctatg	2220
gttgagaaat	tgatacatgt	taataaaaca	ggacagagac	ttaaatcttg	tctcagggag	2280
attcttgaaa	tatcttgatt	gttaattata	ttgtggctgt	tttatagttt	tttgttttaa	2340
catttaaat	tagggaccaa	ttctcattta	ttttatctgc	ttctcaatct	ttattttgta	2400
taccttgttt	tgagaaaata	ttactacata	aataagaact	agtaagaatg	gaagcaattt	2460
ttaaaaaaat	tttttaaatg	aatattttta	aattcatgat	taaacccttc	aatatagtaa	2520
aaacttcttt	gaataagatt	aataaggagg	ctaacttaac	aagtacttcg	ttttgagtaa	2580
ctcttaaatc	tttttgtaac	aatataggat	ataaaaaaga	tattggctgg	gcgtgttggc	2640
tcacgcctat	aatctcagca	ctttgggagg	ccagggcggg	aggattgctt	gagcccagga	2700
gtttgaaacc	agcctgggca	acacagtgag	accctgcctc	tattaaaaaa	aaaattaaaa	2760
cattctggcc	gggcgtgggtg	gctcgtgcct	gtaatctcgg	cactttggga	ggctgaggtg	2820
ggtggatcac	gaggtcagga	gttcaagagc	agtctggcca	agatggtgaa	accccatctt	2880
tactaaaaat	acaaaaaatt	agccgggcat	ggtggcatgc	acgtgtaate	ccaggtaggc	2940
tgaggcagag	tattgcttga	accctggggg	gcagagggtg	cagtgaagccg	agatcgacc	3000
accgcattcc	agcctgggtg	acaaagcaag	cctccgtctc	aataatgata	ataattttta	3060
aaaatagata	ccttactttg	ccttggtgtc	taaaaattaa	aagaaaaaaa	gaggccgggc	3120
gcggtggctc	acgcctgtaa	tcccagcact	ttaggaggct	gaggcgggcg	gatcatgagg	3180
tcaggagatt	gagaccatcc	tggttaaacac	ggtgaaaccg	cgtctctact	aaagatacaa	3240
aaaaaaaaat	tagctagggtg	tggtgggtggg	cgcctgtagt	cccagctact	cgggaggctg	3300
aggcaggaga	atggtgtgaa	cctgggaggt	ggaggttgca	gtgagctgag	atcatgccac	3360
tgcatccag	cctgggcgac	agagcaagac	tctgtctcaa	aaaaaaaaaa	aaaaaaaaagat	3420
acttttttgt	acttttatgt	aaatacagag	tgtttatatg	catagcttat	atctgtaaac	3480
tgaaaaattg	atagataaga	gtttgcagaa	gacctatttt	tattttattat	ttttatttga	3540
gagttgatct	cactgtcatc	caggctagag	tgacgtggca	tgatcttggc	tcactgcagc	3600
ctccacctcc	caggctcaag	cctttctcct	accttagtct	gccaagtagc	tgagatcaca	3660
ggcatgtgcc	tccacgcgta	gctacttttc	tagatttttt	tttttttttt	gtagagatga	3720

ggtctcactg	tgttgcccag	gctgggtctcg	agctcctgag	ctcaagcaat	cttcccgcct	3780
tggcttccca	aagtgtctggg	attacaggtg	tgagccaccg	cgctccggccc	tatttttatgt	3840
ttaatatatt	aaatccttag	acataaaaaag	ttgctaataa	aacttagagg	gcatttttaa	3900
ggatttacct	ttgttcttga	catatgaaca	ctttaaaagc	aagggaaca	tcttcaccta	3960
tgtattctca	gcacctgaca	tattgcctag	aacttagaag	atgttttgta	aatgtttggt	4020
ggataagttt	tttttttaaat	tttatttttcc	ttcaaggcat	aaaagatcct	taagattcat	4080
aaagtatcac	tagaaaaatag	tctttaaacc	ttttactcat	aacatcacat	atattttgtgc	4140
atggggcaaa	tataataaac	cattagagaa	gctgttttaa	gatgcagtac	aaaattatat	4200
gtgatagcaa	gaaaaattag	agaagaatat	ggcctctctg	tcatcaaaaag	tctagaggat	4260
tccaaatagt	gttcctgaag	accccccttga	ttctcttttct	taaaaacaca	ataaaacttg	4320
ttagaataca	tgttcttttag	taagtggagg	cattcacacg	ttataaataa	tgaaaaaaca	4380
cattagtagt	tttaattattg	agctttttttt	aaaaaccaca	tttataatgg	cttttattgat	4440
gggttttaga	tatcactgca	taagtaaatt	aataactaaat	tatgatattg	tcttttttaa	4500
taaagcttgt	cctaattgttt	ggtcttagtc	tagaaattaa	gtgaaaaaga	aattcagata	4560
ggaggaattc	ttgaagttac	aaaaactcgg	attctaaaca	cttcttctttt	tctattttaga	4620
ttgtcttcaa	atttacagca	ccatttccagt	ttgtcatctg	tttattcaca	ttacttttct	4680
gacactggaa	ttccagaagt	gaccacctgt	cattcccgaa	gtgccataac	tgtggattat	4740
attttctact	ctgcagaaaa	ggaagatgtt	gctggggacc	caggtaagga	atgcatgtaa	4800
tcttaaattc	tcctagagag	cacagtagct	aaaacctcaa	ggttaaagtt	aagaaagctc	4860
tctaaacatc	cagttgaagt	tctagatcta	gaaggtaaaa	atattttcgaa	atagacagat	4920
tggaataata	tttgaataaa	tcagttgatt	acttgcata	gagggaggca	ataaaacaca	4980
tccaagcaaa	ttattaccca	agaattacat	tagcagtcct	accctccagt	tccagtcagc	5040
ctctgagtta	taggtctttc	atagttgcct	ttctttttg	ttgccataaa	tttactgttt	5100
ttctgtgac	aggaactgag	tatgttggtt	atgggtcatca	tagttttgtg	cttaaatttt	5160
accgaggcgt	cctgccttca	ttggaggacc	atagttacac	tgccagcaac	acagcttatg	5220
ctgtcatgtt	gactctggaa	tattggattt	ttctgaggag	gaaaagtata	tatatatata	5280
tatatatata	tatatatata	tttttttttt	ttttgatata	gagtctcgct	ctgttaccca	5340
ggctagagtg	cagtggcatg	attctcggct	tactgcaacc	tctgtctccc	gggttcaagt	5400
gaccttccca	cctcagcttc	ccgagtagct	aagactacag	gcatgagcca	ccatgcccac	5460
ctaatttttg	tattttttgt	agagacaggg	tttcaccgtg	ttgccagggc	tggtctcaaa	5520
ctcttgggct	caagccgtcc	acctcggcct	cccagggtgg	cttggtattac	aggcatgagc	5580
caccacattc	ggtcagaaaa	gtctatatata	tttttttgtt	tgtttggttt	tgagacggag	5640
tctcgtcgt	caccacaggct	ggagtgcagt	ggcgctatct	cagctcactg	caagctccgc	5700
ctcccagggt	cacaccattc	tcctgcctca	gcctcccgag	ccactgggac	tacaggcgcc	5760
cgccaccatg	cccggctaata	tttttgtatt	tttagtagag	acgggatttc	accgtgttgg	5820
ccaggatggt	ctcgatctcc	tgacctcatg	atctgcctgc	ctcggcctcc	caaagtgtctg	5880
ggattacagg	cgtgagccac	tgtgcccggc	cgaaaatcag	gttttaaaaca	ttagccaaaag	5940
gatttaaagt	ggagaagaaa	atgcagttta	agattactgg	aagtacaaaa	atacctttta	6000
gaaaactttg	gaatgtgagc	agctgtttta	ttcttttctg	atttttttca	tttttttctc	6060
ttccattttt	ttggatgctt	cttttttctt	acccttttcc	cctctgtttg	ttccccctc	6120
ctttctttctg	ggaataacct	tatttagtaac	actcacgaga	tgacttattc	ctgccactag	6180
atctactcta	caaaaaatat	gcctgctgct	ttgaatttat	agtaagggtt	tcgtagtgtg	6240
catgctgaca	gaagttcact	aggtggcagg	agagtgttat	ggatcagcat	ttcaaaaaga	6300
gcatgtcatc	ttcacttctg	tgggtgctga	ctatctggga	ctaaattata	ctaatttatt	6360
ctccattcac	cttataaaact	gctacagggc	tgtggcccgg	tgtctctggc	tttatgcaac	6420
tacagaatgg	ttgctgggatg	agtttcttat	gtagtgtgca	accacaaatt	acccttaaca	6480
ttcttaagta	tttcatattat	attttcttct	aaagatttgt	tacagagctg	gaaatagaaa	6540
aaatatctca	aactgctgtg	tgtttgataa	ttataattag	gttataattc	aataaagctt	6600
agatatctta	aaaactgtgt	catagttttt	agtcttctgg	aggggcctca	agttctatat	6660
ttgtttggag	aaaagacttg	tatgattaat	ttacaataac	ccgttgacaa	ttttactaaa	6720
tatgtgtgtg	cttctttta	gtaggagctg	aagttgcttt	ggttggtggc	ttgaaacttc	6780
tagctagact	gtcacttctt	acagaacaag	acttatggac	tgttaatgga	cttccaaacg	6840
aaaataactc	ttcagatcat	ctgcctttat	tggcaaagtt	cagacttgag	ctctgactct	6900
ctttgatcac	atactaattt	tctttccaat	ttgtatttgt	tttcaaagaa	tgtaaagttc	6960
ttaagtgtat	gcatgttggt	tatttttgc	ctgtggagat	tctgaagcgg	ttatgttaga	7020
tgctttgaaa	ctccatatca	gaagaaataa	ctttataaca	atgttttttna	ataatgaaaa	7080
atatttctct	gacaagttag	ctctaaattc	tctttattgt	aaaagagatg	ttaaaggtttt	7140
atatttctaa	tcttagtaaa	attgacagtg	atttttaaat	ataatgcac	ttcctttgtc	7200
tgcttagtaa	aaaatttcat	ttcataattt	tggcaagctc	tgtagtggat	ccaaagtatc	7260
tttgagttct	tgcaaaactac	aagttgtttc	ctttccagaa	ggcttgattt	cattaggaga	7320
cccctctatt	gagttctaaa	tagtttatct	tagaaagcct	tgggtcattc	acaggtatcc	7380



aaccagccat	tgtttagttt	gtttttgaag	gggtttgata	atgcttttta	agttgtacag	7440
aatgcttaat	ccatcttatt	actgtcctga	gccatgtaat	atgcctgcat	cgtgttgggg	7500
aaatgtttgg	gaaatacaag	ccagcataac	gtgtaaagct	cactctttca	ccctggaaca	7560
gacaagaggt	gggcttaata	gaggcagaga	ctggggatat	acctttgttt	ccctagcatt	7620
tttatttatt	tatttttatt	ttattttatt	ttttgagatg	gagtttcact	cttgttgccc	7680
aggctggggg	tgcaatggcg	caatctttgc	tcactgcaac	ccctgcctcc	cgggctcaag	7740
cgattctcct	gcctcagcct	ctcgagtagc	tggttgattaca	ggcatgcgtc	accactccca	7800
gctaattttg	tatttttcagt	agagacaggg	tttccccatg	ttggttaggc	tggtctcgaa	7860
ctcccaacct	caggtgatcc	gcccacctca	gctctcaaag	tgctgggatt	acaggcggga	7920
gccactgcac	atggcagcat	tttttaaaaa	ttcagtttta	agatctctgg	tttaggggag	7980
agattttatt	ttactgaacc	agttctatag	aaattttatt	tattaggaaa	tttgtctttg	8040
gaacaaagtg	gcagctataa	aattattttt	gttaagcctc	agaaatatga	ggaagcctgt	8100
aaaactctag	tgggggagata	tttaacttggg	gacctaatgc	tctgtaaata	gtcattttaa	8160
ctggttggttt	tagtggtttt	gtttctaaaa	tgttttcttt	taccgtgatg	caccagtatg	8220
agatgggtgct	gacactttct	atgaagtggg	tatgagcagg	tttaataaat	cctctataca	8280
agtgtttgaa	tcaattttta	aacataaaaa	gtggaaattt	ccttttttgt	agacagtagg	8340
aacaaggaat	tatatgcatt	tttactaagt	agtaatttta	cactgaattg	taaatgtttt	8400
tacagtgagt	tttattaata	gaatgcttca	ccttaaattg	gaaaacaata	atagtcttgg	8460
actaagtctt	tgtactaaag	catttgctat	aattattttt	aaaaaaacaa	acagatgaaa	8520
acctcagaga	aggcatgtgg	attataagat	ttgtctagta	aaaattgtaa	ttgaatatgt	8580
ttaaatatatt	aattttctcat	tttggggggg	ttttattttt	ttatttttta	gatgggtgct	8640
cacgctatcg	cccaggctgg	agtgcagtg	cgcgaaactcg	gctcactgca	acctccgcct	8700
cctggggttca	agcaattctc	cttccctcagc	ctcccaaagta	gctgggatta	caggcatgca	8760
ccaccatgcc	cagctaattt	ttgtattttt	agtagagatg	gaattttgcc	atgttggtcca	8820
ggctgggtctt	gaactcctga	cctcaggggt	gatccaccgc	ctcgggctcc	caaagtgtctg	8880
tgattacagg	catgagccac	catgcctggc	ctttgggggg	attttaatta	cagtattaat	8940
tatagttcta	ggatttccca	cattttatag	tagtagtttg	caggatatta	tgtgccctaa	9000
ttagcagata	tagacattat	caaattataa	tgatagtata	attatccctt	tttaatatgt	9060
gggaaagaaa	aatgaaaatt	cattagttaa	ttactgcttt	gtgttggtgtg	aatttattaa	9120
caaataacat	tattacatat	aggtcattgt	taacaaacaa	acatccctga	aaacctctgt	9180
gaaaaattaa	ttttttatat	cctgattaat	atattgtgac	tttaggcca	tttttcatgt	9240
gcttcacttt	gatagagtta	atccataaaa	ttgtctttta	ctttagctta	tcaaataaag	9300
tattattttg	tggactggag	gccaaaaagt	caatgtgagc	ttctcacagg	tttttaaagc	9360
tccactaaaa	ataattatcc	acttgtcttt	acttttggtg	accagaatag	ttggtaactc	9420
tgccagagcc	tgtacttacc	tgccaaaaac	aattaaatct	ggttaatgcc	tgaaaccaa	9480
tctctcagtc	tcaagtgtta	tactatccaa	gttttaaatg	gaaaggtaaa	ctgtggagta	9540
atgaaatttt	ggttttactg	taccttttgc	tatcaagata	atattcatgt	ttgaaatctt	9600
gtcttttatt	ggaatttagt	tactgtctgc	ttttaacctt	tgctttccta	aagaaagttt	9660
gagatccaga	gagttcaagg	gattggggaa	agagaggcgt	caagtcattt	gcactttgta	9720
cctgtaagtt	aggtaataaa	ctattatact	cgta			9754

<210> 8870  
 <211> 288  
 <212> DNA  
 <213> Homo sapiens

<400> 8870						
aggatggttt	tattaaagtc	ccatgctgtg	ttagaaacat	acaagtgatg	agaaaaacat	60
taacttgaaa	catgcactta	ctggcattct	ctaaaatacc	attatacaag	ttttcattta	120
attagaaaaa	taccactaa	aacaatcaca	gttcttctta	aagatttaaa	aaaaatgtat	180
tggccagaac	aaagtccaag	agaataaaca	aagttctgaa	ttgtatgtca	aaaaactgta	240
catggttgta	cataaaacta	tagcttacaa	aagactcagg	tatagtaa		288

<210> 8871  
 <211> 619  
 <212> DNA  
 <213> Homo sapiens

<400> 8871

ttatattgca	agaagatgcc	atctaggact	tcataactag	aaagaagaag	tcagtgcctg	60
gtttcaaagg	acaggctgac	tcttttggtt	ggagctaata	tagcttggtt	ctttaagtta	120
aagtcagcat	tcattgacca	ttctgaaaat	cctagggcac	ttaaaaatta	tgctaaatcc	180
actctacctg	tgctatgtca	gtggaaaaac	aaagcttggg	gatgacagtg	catctgttta	240
tggcatagaa	tattttaagc	acactgctga	gaccactatt	cagaaaaaca	gattcctttc	300
caaagattac	tggtcgttca	caaggcacct	ggtcacccaa	gagctctgat	gaagatgtac	360
aaggaaatga	atgttttttc	atccctgcta	acacggcatc	cattctgcag	cctatggaat	420
caaggagtaa	ttttgtacct	acaggctctc	ttattttaaga	aatacatttc	ataggctata	480
gctgccatag	aagtgatttc	tctgatggat	ctggggaaaag	taaattgcaa	acctgcaaaag	540
gattcagcat	cctaaatgct	attcagaaca	ttcgtgattc	atgggaggag	gtcaaaatat	600
caccatataa	aagagtttg					619

<210> 8872  
 <211> 1355  
 <212> DNA  
 <213> Homo sapiens

<400> 8872						
agcatttggg	ggacttctga	gcggtgtcca	ccttttagct	gtgatgaacg	gtgctgttgt	60
gaacacttgt	gtacaagttt	cagtgtggac	gtgtgtcttc	gtttctctcg	ggtatatacc	120
taaggtggaa	tcactgggac	tatggtaact	gtgtttactc	atgtgagcag	cgcacagcct	180
gctttcccaa	gtgtctgcac	catctcacgt	cccttcctgc	agccttggga	gttctgattt	240
cgcccatctt	ttgccatcac	ttgtttttct	ctgacttttt	gtttccagcc	catgttgggt	300
gtaaagcagt	gtcttgtggg	tttcatttgc	attttcatga	tgactgataa	tgttgaacat	360
ctttttttgt	ctttcttggc	gatctgtatt	tcttctttgg	agaaatgtct	attccgattc	420
ttgcccactt	ttagttggat	tattgtcttt	ttgttgttga	tttatgagtt	ctttacatca	480
tctagataga	agtgtcttct	cacatatatg	attcgcaaat	atcttctccc	attctgtgag	540
atgtcatttc	actttcttga	tgggtgtcct	tgaggcacaa	aacttttaag	tttttacgaa	600
gtccaattta	tttttctttt	gtcacttggg	cttttgtctg	catatgtaag	aatcttttgc	660
caaatccaag	gttatgaaaa	agaaaacctt	caaaagtttt	tttatttttag	ctctttttatt	720
taagagctaa	aataaaaaatt	ttaatatgctg	catgtgggtg	gaagtaggga	tccagcttcg	780
ccctttttg	tgatctgttt	cggtggccca	gcaccgtttg	ttgaaggctg	ctcttttctc	840
actgaacagt	ctcgacattc	ttgtcaaaca	tgagttgccc	gtaggttatg	agttttattcc	900
agaaccctca	gttccactgc	accgatgcgt	gtgtctgtcc	ttgcgccact	cccacactgt	960
cctgttacca	tcgcattgta	agtcttaaaa	ctgggaatgt	aagtcctttg	acttttttct	1020
aatccaatac	tatgaacaaa	atagatggca	gatgaaattg	aaaatttctc	agaaagggtgc	1080
aaactactca	aactgattca	acaagaaata	gacaatgtga	atagatatat	aacaagtga	1140
gaggttgaat	tagtaaatcca	aaaacaccca	taaagaaaaag	ccaaggacca	gagagcttcc	1200
cagctaaatt	ctaccaagca	tttaaagaat	taaaaccaat	tctcacaaac	tctttcaaaa	1260
gactaggaga	gtgggaaatg	cttctcaatt	catttttatga	gaccaatatt	actctgatac	1320
cataatcaga	caaagacatt	gccaaaaaaa	gaaaa			1355

<210> 8873  
 <211> 507  
 <212> DNA  
 <213> Homo sapiens

<400> 8873						
ggtgctgggtg	tgggcggttg	tggtgctggt	gtgggtgggtg	gtgggtgctga	tgtgggcggc	60
ggtgctgggtg	tgggcggcgg	tgctgggtgtg	ggcggcgggtg	ctgggtgtggg	cggcgggtgct	120
ggtgtgggtg	gattcctgga	ggacagctgg	gtcttgcac	cagcacaggt	cctgggtgct	180
gggaggtgct	taccccatgg	ccccaacctg	cacaagtgtg	gctgtcacag	ctggggtctg	240
ggtaggtctg	gcagcccat	gggaacctgg	ctgtgtgagc	ctgccctggg	gccttccatg	300
agaaaaccca	gttaaggagc	aacctggtga	accttgaaa	accaagtggg	ccttcaccag	360
cttgaaaggc	cgcccggtgc	tttctctct	ggccctcaca	gccagctcg	gcacgcgagc	420
agagtcctcg	tggtggagat	gctttgccac	tggccaccca	gagctaggag	cctcggccaa	480
gggctccctc	cttgcaactgt	ggtctct				507

<210> 8874  
 <211> 3640  
 <212> DNA  
 <213> Homo sapiens

<400> 8874  
 caaggtgggg gattgccagg gggagaaaac ttattttattg ctgtaagaca ggaccctcc 60  
 tcccaacctc ataccccacc gcacaccaga gctaaattca aagctgaaag gcgcacgttt 120  
 ctatacctac attcattcct gagggaccct ccagaggggtc aaggtcccag cccagggcag 180  
 ccctgtcaca gtgagaagta gttcctgtcc ttaaggaatt tccttctaatt ccaggtgctt 240  
 gggcaggaac ccgatggcct tgggtcacc aaggtgtct gggagggagg cacagggccg 300  
 ccctctgtgc tgagggcgtg gaggaagcca ggaggagggt ggcttgcttt gcttccttgt 360  
 ctaattagct tgcttgaaga tgtggccttg gcagggagcc agaccatgg ggccaaggaa 420  
 gaggaagagc atcctcaata gactcactcc cccttccttg gtctccacgg gccccgtgga 480  
 ctgagggctg cattgggggtc ttctgcctag gggaagtgtc ggacctgagc tggagccact 540  
 tggcttagaa gccacaggat tcaacttttca ctggcctttg cagtcccaa aggatcaggt 600  
 ctcagaacca aggttccaaa ggctgagggtc tcccagttc ctctctcag aactcccaca 660  
 gtagctcaga ggccgggggt cctgccaaact ttcatttgga aagttctttc gaacatctaa 720  
 actagatcta tcttaggggt tctttctctc ctagatagga tcagctccca gccctagcca 780  
 ttaggtgtct ggctcctggcg ggggatgggg tcccctcgtt acccagtcct tccagggagc 840  
 ccaacttctc aacacaacct ggcttgga tgaagacct ccccgaggtt accttgtaaa 900  
 gagtccctcc agagctggga tcccagggc gcagcagcac acccagctcc catgcgtcac 960  
 tccctagctc tgtcccagct tttgctatca ttgctgactt ttctcctgt ggctcatctc 1020  
 tgtccctgct ctctttgaaa acctaaacta ccaaggtgtc atgctgcaac tccctgcca 1080  
 gtctgcaca aagccttggc tgtgtgtggc accccttgcc tcctaccca gagcagctgg 1140  
 ctccattggc ttctccctgc accagccctg tcctcagggg tcaggaaaaa gcagcacagc 1200  
 tttctttcct ctctccaga ggcctggaag ggaggtggag gtccagtaag ggctggctg 1260  
 ccttggtattt cttgggtcctg ccttgccaac tgcacctgt agctcctgct cctgtgacc 1320  
 ccagaaccag aggtgtgtcc ttccctgtct cctagacaaa gcacaaagg atgcctgct 1380  
 tggcttgagc ctgccaact gaaggatttt ctctgcccc gggaccttc atccctgaat 1440  
 acaaggctct aggcaacttc tctctgggtg gtacacacta gaatgcctgg cattagcct 1500  
 agaaaggagg ttgggggtgta tgggtagtga gctaggggtg gagaaagggt gtgctgaaag 1560  
 gacagatgct agttgtagtt tcaactcactc attcattcat tagtgcaaca gtactgagca 1620  
 ccacctgcac tagaggcaga ggggtgaaca agataccctt ctgcctgggg ggacgtccac 1680  
 ttcccatggg tttggctatt tccaggaaag cccctcagtc ctccaccctg ttctggctgt 1740  
 gtgtgaagga tgtgtgtgag caggcccaat cctttgcagc aagaatgaga ggtcagagta 1800  
 ttccattgca cacgcacct ggggtgaca gacttgtgcc cctagcctt catgcatgcc 1860  
 caagcactgg cagctttgca gccctgccc caccagccc ttgacgctct tcttttgttc 1920  
 tctcctcggg gatgagctct gctgtgagt agggagcttt tgcttgctgg gaggctctat 1980  
 gcatggattt ttttggtgac catacagcta gggctgagga tgggaacagg gacagagggc 2040  
 ctggctatcc ctagaagcac ttcatccatc tttaccacc caaacgggat ccttcacat 2100  
 ctcataccca gtaagatgca agaaaggaat atctgagagc aagcagcct gctccagggg 2160  
 cccaggtat gtgtagaggc ccagtggggg tggccacttg gtgtttctac caccctgc 2220  
 catccagctc ggcccagta cctacctggg aggttgggtg acttgctta agtacttcat 2280  
 gctttattca ggctgcttcc ccacagcacc ggcaggaat gaaggtgcac ttatatgcat 2340  
 ccctgcagga ataaagagt ggtggcctgc ccagcccagc accacagcct tccccagcc 2400  
 aggagagacc acctaggat caaggcagct cctgttttct tggttctgtg acactcgagt 2460  
 ctgagccagc cctcaggaa ttgcctcaa agagaaaaac aaaaaaagt cctccttccc 2520  
 aaggcctgct actccaagg tttggctccat cccttgctt tgggtcctgc ctatttcccc 2580  
 actcctggtc tcttatcttt ggggccacca gtggggagtc acccgggccc caatcctct 2640  
 aaggcgctaa gttgaaggag gccttcccag agtgactatt ggtgccaag tcccagttcc 2700  
 tgttggaact ggggtaaaaa caggagatgg tgagtgggtg taaggccaa atgccagag 2760  
 aagttaactc gaacctatgg gacctgtccc agcctgtcag tccctgatga gtgtaacttc 2820  
 ctccccctgg gggcctggcc cttctctcca acccagtggt catgctttct caccagcct 2880  
 tgtgcccggc ctgcatttct gtatatattg ctgtgtattg tgtgtatgta tgtattcctg 2940  
 gacaagtgtg ttcatctgca gcccttgctc gaggataagg tttaggattg ggtaaagatc 3000  
 agaataccag ggccagctaa ggcaacgact ccctcccaa accctggga cctcagccag 3060  
 tccaaggct gccctgacaa tcaggcaggg tccccaccgt gagccaagcc tctctgcca 3120  
 ctgccagcat ggccaaggg aggttggcc ttgcgcttgc cagcctcagc tctgcctga 3180  
 caagggtctt gtatccaggg cagaggcctg aggtgacca ggcttgcttt gtggctgatg 3240  
 ccagcaggct tggttctagt gggcaccact ggtgggcaac ctccataact ggcccttagg 3300

cctaccttcc	tacacagcta	ggctataatg	ggcctgagtg	agagggtagc	ttccccagcc	3360
ccaagcacag	gcagaggggt	ggagagcaat	ttttggtttt	atttttgttt	ctgaagtggg	3420
gcctgtacct	ccagccccc	ggggccttcc	ctggccacac	ttctctgccc	cacccaggca	3480
tcgccatccc	agcactttgc	tccatgtcac	ccgtaagatg	ccctttgctg	aatgtacctg	3540
agtgtatgta	tttaaaagga	ctcacatggg	catcagagaa	tttatggctc	tgtatccaat	3600
aaaaaagatg	gtgaaactgg	tctatctgcc	ccagagaggt			3640

<210> 8875  
 <211> 19447  
 <212> DNA  
 <213> Homo sapiens

<400> 8875						
aattttacaaa	ggtatctgaa	gtcttacatt	ttattttaaat	agcctccagt	aagaagagag	60
tggggcaatt	actaccctt	ccttgtaaaa	tgaagtaacc	aagccaagga	gggtaagtgc	120
accagcagc	cagccagcca	tgtgatgggt	gggggtgcctc	tcagtggggg	cggccacgac	180
acggccccc	cctgctgctg	tgggagcatc	cacagtcgag	cgggggttct	tgatgggttc	240
atctacagac	acgatcaggc	acgcagcctc	agaggctgct	gtcagcgcat	tgatccgcac	300
catagctggc	ttccacacga	aagcttcaaa	gttgtcagca	atgtcctcgt	tgttgatgtc	360
tactccatac	catgtacccc	cctaaaagag	taggaaaaga	aaggaggtaa	tatggaacta	420
ccttcaactt	tcctcttgta	aactgggtact	ccaaaagaca	ctgctaggaa	cccgcagact	480
ctctgaactt	ggtggcattt	cgctgaagaa	tactgcatct	tcctatgagc	atgccaggaa	540
cctggaaaca	cccctactcc	cgccaactcc	tcccccttagc	cctggacata	ccacacaaga	600
cctctgggat	cctctcccag	gcaagctggt	gtgttttggg	gcggccccc	cctcaggtca	660
cctgaggact	atatatatat	atatatatat	atatatcaaa	caatgagttc	tcaagataaa	720
caggaataac	aaaaatacta	tcccattctt	catctcattg	cttcaaatag	cccgatttta	780
cagatgaggc	aagtgagaca	cagaggtaaa	gtgactttta	gcaaaagtcc	taataacaagc	840
cagaagcagg	gtcattcact	gggtgctaag	cacttaacaa	acctctatct	atttaacaaa	900
tggagaaatt	aaactctcag	agaggttgaa	gtaactagcc	cagggtcaca	cttgtagggc	960
tctggagagc	ttcaccacac	cagtaagccc	actccatgtg	gtcagtatgt	gcttccaggga	1020
agggtggatg	aagggttcctc	ctgtgggtacc	ataagaagca	atcatactct	tttttttttt	1080
ttgagatgga	gtctcacact	accaccggg	ctggagtgc	gcggcacgat	ctctgctcac	1140
tgcaagctct	gcctcctggg	ttcaagcaat	tctcctgcct	cagcctcctg	agtagctggg	1200
attacagggtg	cccaccacca	cgctgggcta	attttttgta	tttttagtag	acatagggtt	1260
tcactatggt	ggccaggctg	gtctcgaact	cctgacctca	tgatccgccc	acctcggcct	1320
cccgaatggt	gggattacag	gcgtgagcca	ccgcacctgg	ccacgatcat	actcttggtg	1380
gaagcaatga	agaaaccctg	gatctcctgt	gctagcacca	tggctttcct	tctgccctca	1440
gaggagggag	ttggtcaggc	agacaggctg	gggggagttg	cagcctatct	cctggggcag	1500
gcgtgcacag	cttgagtaag	cacagctcac	attcagaatc	tagccccacc	cgcccaaac	1560
ctgaaccctg	gggagagaaa	ggaccacact	gggcatgccg	agcccgcagc	ttgttgagaa	1620
tgtttgtggc	atcaaagcca	gcattgtcac	acagctggcg	tgggataatc	tccaaggcct	1680
tggcatatgc	cccaatcaac	agctgctggt	ttcctggaat	agtccttgag	taatcccgc	1740
ggtacttgga	gagttccatc	tcaatggccc	cgccaccagc	caccactgaa	tcattctgca	1800
gagatcagac	cacctctcaa	tgtaagaggg	cccctgggtc	aagcttccat	gctggggccac	1860
tcagtaggtc	ccttcagccc	agaaagagtg	gttcttcatt	ccttcctcca	tcccaagccc	1920
caaacgccc	gacacagccc	ctatctagaa	catcccaact	tcaacctggt	gaaccttatg	1980
gtttctgact	attttcaagg	tcacctgcag	ctcaaggaca	ctggcacaat	tactggaata	2040
tctgactaca	ttagctccag	tttgctaaca	aaacgaagtc	tttttcttct	gcttgctctg	2100
ttgccaggc	tggagtgcag	tgggtgtgatc	atagctcact	gtaacctcca	actcctgggc	2160
tcaaggcatc	tttccacctc	agcctcccga	gtagctggga	ctgactacag	gcacatgcc	2220
ccattcctgg	ctaatttttt	tatttttgta	gagacaggat	ctcgctatgt	tgcccaggct	2280
ggtgtcaaac	tcttggtctt	atgcaaccct	cccatctcgg	ccttccaaag	tgctgggatt	2340
acagggtgtga	gctaccacgc	ccggctaana	gaacaagtct	tagctttcaa	ggcaggatga	2400
cctatttttg	agaaactgag	gctcagtttc	tctaccattt	gtggggcaaa	tcagggtc	2460
ccacaccacc	caggaaaggg	cagggttatat	agagaaggaa	tcaccacaca	aatccaaggt	2520
ctgatcagct	agggagtagg	gagagagtag	gctgtgcaag	caggaggata	tcagccaggt	2580
accttgatgg	ccctcctgac	gatcatgatg	gcatcatgca	gggaccgctc	tgtctcctcc	2640
ataaactgct	cggcgcgcgc	acggagaatg	aagggtgc	tcttggcctt	ggggcagcca	2700
gtaaaaaaat	tgtacctatg	cccaggatta	aacagtacac	acatgaactc	ttgtctgcca	2760
ccatcctact	gtattgtcct	cactgccagc	cccccaaca	ctcagcagct	gctcttacat	2820

tcttcaactca	ggttacccaa	tcccaacctt	atagacattt	tcttggaag	gtctgcagct	2880
gtaccactag	ggcataaaa	attgtggagt	caaggctttt	agatcttcct	gtaatcctgt	2940
atattatctg	agctctttat	ggctcaaagg	tgagactctg	taaaagctgt	ataccacttt	3000
gtacacaaa	gtgagacttt	gtaaaagctg	tataccacag	ccaaaagatg	gcagaagacc	3060
agaccaggc	aggtttgtga	gctcggcctg	ggcccacggc	tcacctctcg	cctccaatct	3120
gggtctcttc	aaacacctgg	catcgacca	gcacatctgc	tgacagagca	ttcacactgg	3180
tctggattga	gcctccacag	gcctagggag	caaggaaggc	aagatctagc	agtgaagggt	3240
cccaggcca	ggcagcttcc	tgccacctcg	tctcaaagcc	aattcccacg	catgccccca	3300
gagcctctac	attaccgcgc	ctttcccttg	acttccaggc	gacccttccc	cctctctgaa	3360
agagcaaaaa	aaaaacaaaa	tagaactaaa	acacatcaaa	ggcaaacaga	agaagttaaa	3420
aggagatagg	gacccattca	attcagctta	tactccctcc	cctaaactag	ggtggcactg	3480
ggtcagcaa	ctgaactcag	gagtaactta	aacctaaaag	tatcttttgt	gggatgctca	3540
tgaaagggaa	aaaatctggc	tggaagaatc	aataattgag	tttgtccagc	taatcatagc	3600
attactgcta	ggttctctca	caaaccagat	ttctggactt	gttttgggta	gactaaagta	3660
gtttgtgcta	ctgggcacac	acacatggaa	atggaatgtg	tcctggaaaa	aaaagagtta	3720
aaaaaaaaaa	acagggctca	attcacacgc	caacctgaca	gtacactctg	ttataaccagg	3780
ggtcagtgaa	aacccttcag	ggccacaaa	gccgagaagc	agcctgtgaa	aatctgggta	3840
ccatcattgt	cctcttcaga	tcctcctcag	gtactcggcc	agcacagaac	atgtccctgt	3900
cagcaaagta	ctgggtggcc	acatccccaa	tggggagttt	ggacaagaca	actttggctc	3960
cagaatgatg	gatcttctct	aacttgtcat	agagaatgtt	ccactcagca	tcaacaattg	4020
cctgataatc	ctggagagac	ccagaaaagc	atgagaatgc	tttgggggtga	agggtgacat	4080
atacggtagg	gtaaaatata	cccactctgc	cccaccaa	aaaacatgct	gattcatctg	4140
ggaattaaca	gagataaaca	gaatagctac	tcctcagctc	aagcaaataa	ggaccccatg	4200
agatgactta	ggaatcacct	gaaactcccc	aacacaaaag	cagaaagtaa	ccccagggtc	4260
gagaaccaca	gctgggtgctg	tccagatgcg	agaaatagtt	taaactggct	gaggtctaga	4320
ctcttctgag	gtgctggatt	catggagttc	ccaataagac	ccctttggcc	gggcacagtg	4380
gctcatgcct	gtaatcacag	aactttggga	ggccaaggca	ggtagatcac	ctgaggtcag	4440
aagttcaaga	ccagcctggc	caacatggtg	aaaccctgtc	tctactaaaa	atacaaaaaa	4500
aaattagctg	ggcatggtgg	cacatacctg	taatcccagc	tactcagaag	gctaaggcag	4560
gggaatcag	tgaacccagg	aggcagaggt	tacagtgcgc	cgagattgca	ccactgcact	4620
ccagcctggg	caacagagcg	agactccgtg	ttaaaggaaa	aaaaaaaaag	accccttccc	4680
caagaactgc	tcaaagggtg	gtgacatggc	tacctccaga	ggtagcctgg	gtaacatcaa	4740
caatgagagc	acacctgtct	ctgcagcact	aggctctagc	tagaagtgga	ggaactcaca	4800
cttgaccaca	caagaggaac	caaaataccg	ggcaggctat	gtagctagag	agtccctgcc	4860
atcccttccc	ccaggaccac	agcgtatttc	aacagggtgt	ccctatccaa	atttccctcag	4920
gtcaagggtca	ctcagggaga	acacagagta	tggaaagaag	ggggcctagt	acttagacat	4980
caatattcag	gggggcagga	agagaaaagg	gcccacaata	gccatgaaga	cccagggtc	5040
tggctcagaa	agctgcccac	ttccatgccc	ccaccaactg	gtgaaccac	ctacctcaac	5100
tgtgtggact	cttatctcag	cattgtctttt	ctcagctttc	aactcgagct	cgacattcaa	5160
aagggcaatc	ttgggattgt	gggtcttttt	gggttgcatt	tcaaaccag	cgtaagagaa	5220
agtcttcttg	aatgcaacac	cagctaccag	ctgagaatcc	tgttttaaaa	aaacaaacac	5280
tttaattggt	tggtactaac	atgaaataaa	atcaagctag	ttgtttgctg	gctagtgcct	5340
atccattcct	gtgagcctga	gctaatacat	tctttatttc	actgctgtaa	cacagccttt	5400
ctgttatcat	aaaatcgaag	acaaatcctt	tttttttttt	ttaaataaca	caacatatta	5460
tttcagtcac	cccttaagca	taaggaaaat	catctgggta	gcagaggcaa	agcatggtaa	5520
aggcctactg	ggctgtcctc	taagactggc	ctctgcagca	ctggccgatg	gataatgctg	5580
tacaaacttc	caaaaagtat	gccagaagag	gagccagggt	tttacaaga	aggcaaaaca	5640
aaagctgtgc	aatgctaccc	tcttctatgc	cccagctccc	aaatctcaag	tatcctcctg	5700
tacacctcca	tgtaccata	atttgcactg	cacctccac	ccccacacc	ccaacagcat	5760
ggatactata	gccttgacgc	ttcctccctc	cagaagatga	tgccaaaagg	tcttaagaat	5820
cagaaatccc	ctgcataatt	tctaagctat	cactgcagct	cctcagacct	caatccctca	5880
aggtagggat	cttctaccac	ttgttctgca	acagagcttc	tctgtgggtt	ggatttaaca	5940
gcagggcata	atagaaagca	cactgcaccc	agggtgact	cagcactacc	gtgagactta	6000
ggttccaatc	tcagatcttt	tccttactaa	atgaccgagt	catttcccac	accataaaaa	6060
agggtattca	gttcaataac	ctttagtttc	tctgccagt	ctcatctaca	attctaattct	6120
ataatactgt	aacctatggg	tgaagagtag	ctgtccccag	ttcctgcac	attcaaatcc	6180
acagcttctg	aaagggagtg	atgcctgagc	tgaatgacag	atgagcagaa	attagtcaaa	6240
gagaaaaaag	gaaaaaagg	gttctcctaa	gaggtgggag	gcagtgttgt	ggaatcagag	6300
aatgaaaagc	catttgaagt	tgctagaatt	tagagggtaa	gaaccagcca	gtgaagaaga	6360
gagaggggaa	gtaggcaggg	gccagtttag	aaggatctta	caggctttgt	taatgcctgg	6420
ctttgtatag	ggaatgtaga	tatcagaagg	ctttacgcag	aagaataaag	taggaaactt	6480

caccctgcaa	atagtaaata	agtacaatgg	atthagggga	tccaagactg	gaagaggggt	6540
ggcaatagta	ccagaaagag	taaaagagag	agactcaata	aataattagg	aaatcacgag	6600
gtaaaatgga	acaatggtaa	ttgacaggct	ggagtcagaa	gggttttcaa	ggatgatccc	6660
agattttctgg	tttgagtgc	tgaataaacg	gtggtgcac	caactatgac	aagaaataca	6720
gaaaatgcta	tcacaggagt	ggaggacaag	ataaagcgtt	taacagcagt	tagacacaag	6780
aaagagcatg	aggctcagag	gagaggtgag	tactaaagat	atggatcaga	aaattcccag	6840
ttaaccctgg	taacaagtaa	ataatcacta	ccactattta	ttgaattctg	ggtcagggtt	6900
gtatgtatgt	aacgaatgta	ggacagtctc	ggaaaaacgc	aagtgtggct	tagagtcct	6960
ggctctcttg	ccaggtaaga	ttattagtcc	tgattttctaa	tctatgtaga	ttagaaatgg	7020
atgccatttc	tagattagaa	gtggatgcc	atctaattctc	aaccatttat	ggaagtagga	7080
aggcccaaga	gaagatgaaa	aatcgctact	aaagcagtga	gtaaagacaa	agtcagcaag	7140
ccatgatgaa	gatagggaaa	tggctcagat	gacctccagg	ttcttcacag	ctttattaca	7200
tacagagaat	ctcagccac	tggctcgaca	tgtgccacaa	taggagggga	aatggcaag	7260
tgggaatgca	atthgggagg	gtaaaattta	aagagaaggg	ccaggctatc	tttcaagctg	7320
gtcctcctct	atccaaatcg	cttcagttga	ggtcactgac	gaagagtaat	aagtaaagca	7380
ggccagagac	tgaaaaggcc	aaaagcagca	tggagatacc	aaggacgttt	ccagacagat	7440
actactgtgt	taaaaagaag	gagttgtgct	gtccaagaca	gtagccacta	gctacatgtt	7500
gccattttaa	tggaaataaa	attaagattc	agttcttcag	ttacattagt	tgcatttcag	7560
gtgctcagta	gccaaagtgt	gatggggcta	tcatattgga	cagcgcagat	atgtaacagt	7620
cccaccaccc	tacagaaagc	tctactggag	ggtgctgagt	taagagctac	acacgcta	7680
gtggatcaat	ttctaaaaata	tgttgttgaa	tggacaaaag	caagctacag	aacactatat	7740
aagcaatctt	ttgtctttaa	aaaacagtat	ttacatacat	gttcatatat	gcacaaagta	7800
attctgcaag	gatacacaca	aactaatagt	ggctgtatat	ggggcagggg	tagtgcatga	7860
aacactttta	actttaggcc	ccttcacagt	ttgaaatatg	tatcatctat	tcaagataaa	7920
tgaatgaaag	aagggcaagc	ttaacagtat	cacttaggag	taagcagtga	actgaaaaat	7980
ccctctcaga	tgtattaatt	gggaggtcat	tgatgatttg	agctagtcct	actaccctc	8040
caccaccac	tgacacagag	aacctgagat	tctgaaaatc	atacagtcca	atthttctact	8100
ctgctgacaa	ataatatcca	cagaggttac	caagttcatc	tagtaacagc	ctctaattggc	8160
agtatggaaa	gtacaatgta	agtctgactt	cctgccta	atgcattctc	tttattcctg	8220
taatgagta	ccctctgcca	tatgaagctg	tctgaagggt	caatatgaaa	gcaagagctg	8280
tctagggaag	ccacagcagg	cttacctcga	gggtccacc	ctgtaccttc	ttgattccaa	8340
tcatttttaag	ctgcagcaaaa	tcacagagca	tcacactgac	atccaccacc	atcttagcaa	8400
agaaagcttt	ctgctgggag	atcagcttgg	agctcagagc	ggtcatggca	cacttttcca	8460
gcagcttct	ctgctccctg	ggacacaagg	gcagaatctg	catcaggtct	tgaaaaccaa	8520
atccctctta	tctgattcta	ctacagtggt	gaggtagttc	ccttccagtc	tctaaactca	8580
gccctctcca	acttcacctt	ttgtatcttt	agggcagatt	atcagtgaca	gatgggtgact	8640
gcagtcaaa	atctcatatg	tggcagcttt	taaactacag	tcgacagctt	cttttgtgct	8700
ctgtgggctg	ggacacagcc	aagggtctgg	caggagccaa	acagccccag	gcacatagag	8760
ggattgcagc	atgcttctgc	atccaatttg	gccacaggaa	gtcagtcagg	gttctgacaa	8820
aggcttgaca	cgggtgactca	cacctgta	ccagcactt	tgggagtcgc	aggtgggaga	8880
tcacttgagc	cagtagttca	agactagcct	gggcaataca	gcaaggctcc	gtctctttaa	8940
aaaaaaaaa	aaaaaccac	tacagactta	cactttatct	gccttcttca	cggtcacagc	9000
aatctctttg	atcttgttaa	ctgcctgcca	agaacagaag	ttgaatgagt	ctctcatgct	9060
aaagacaaac	tgtgaaagt	gacctcaatc	tctcaatagt	cctgagtcctg	ttcactccca	9120
aatcctaagc	atthttactc	tacagctgaa	aaaacacttc	taggtcttgt	aactgctcag	9180
aaaaatgtaa	aactctatag	ttcagaaaat	tccaagtcag	aaatgcagag	tgggtatata	9240
gttctgaaga	atcagggtgc	ttccaagatt	ttgctctggg	tctgcaggta	acacgctaca	9300
acgaatgagt	ggaaacagct	gtgacacgag	attaagccaa	acctctgggt	ttactaaaaa	9360
cacctacgac	aacttctagc	actttatata	ttagttatat	ataaaatatg	catacaataa	9420
tataaacttt	ttattttttt	ccaaagtact	cctcatatat	tattttcattt	taatgtcacc	9480
actcaaatta	gagatagcaa	agaaagtaag	gcctagaaag	attaaatgac	ttgcccaga	9540
tcacaaatga	aggtagagag	gcaaataata	gctaggtctc	aatatacacc	atgaggtgct	9600
tgagtatagc	atgtagtagt	agtatgccat	gagtccttta	gtccttacta	aaagactatg	9660
tctacatcat	agtctaccag	gctgactcta	acctgaggct	taaagagatt	aagtaataca	9720
cctcatcaaa	tggctacaga	ttagtagaac	tgagattact	aaggagatgt	cagaaaatgc	9780
ccaaagtacc	ctgttcccca	gtccctccac	actcctgaaa	agaaattccc	cttcctaaga	9840
gaaatgtgaa	ggtgtccagg	cccaagagaa	gggttaactag	tactgccata	ccagctgggt	9900
ggctgtgcgg	aaagctcgaa	tgatgatctg	ggggtgtaaa	ccttcctcca	cataggggtt	9960
cacctgcttc	agaaactctg	cagccagcaa	ggtcactgag	gtgggtgccat	caccacctg	10020
gaagatgatg	acaggaaata	cacgttttct	gatgttcagg	gaataaagcc	ctgaaactcc	10080
atthtttaggc	acgctaccca	tttaaactgc	atattattta	aatggatgtc	aagctttttt	10140

ctggaagcac	agggtttttgc	aataagtaga	aagaagctaa	tggtagttac	atatccatca	10200
tgtcaaacag	tcctggggcta	ccaaattaat	tccccagaca	gccccattct	ctaaagagggg	10260
ctgatgtgga	caatcaaagt	tcctcagggg	aaaaaattac	acacatgaac	tgagaactta	10320
tgttacgtac	aaggcattgt	gatgaataaa	acagtccttg	tcattgcttat	tgtaatacaa	10380
tacttaaaat	aatcatggta	ccaagaagca	agagacaaac	attgttttaag	aagcaaaagg	10440
tggctgggca	cgggtggctca	cacctgtaat	ctcagcactt	tgggaggctg	aggcagggtg	10500
atcacctgag	gtcaggaggt	caagaccagc	ctggacaaca	cgggtgaaacc	ctgtctctac	10560
taaaaataca	aaaattagct	gggcgtgatg	cgggcgcctg	taatcccagc	tactcaggag	10620
gctgaggcag	gagaattgct	tgaacctggg	aggcagaggt	tgcagtgagc	caagatcgca	10680
ccacagcact	ccagcctggg	cgacagagtg	agactccgtc	tcaagaagca	aaagggtactg	10740
caggagttcc	tttctttttt	aatagagaaa	gggtctccct	atgttgctta	gactgggtttt	10800
gaactcctgg	cctcaagcaa	tcctcccacc	tcggcctccc	aaagtgctag	aattacaggc	10860
atgagccact	gcattctggc	aggagtttaa	aaaaaaaaaa	ggtaactttc	agtcaaatca	10920
cactaaaaca	aacgtcctag	gaccagccaa	agttctttat	atttcaaaaa	ctatgaggag	10980
gccaggcacg	gtggctcatg	cctgtaatcc	cagcacttgg	ggaggccgag	gcgggctgat	11040
cacctgaggt	caggagttcg	agaccagcct	ggccaacatg	gtgaaacccc	gtctctacca	11100
aaaatacaaaa	aattaccctgg	gcgtgggtgg	gggtgcctgc	aatctcagct	actcgggagg	11160
ctgaggcaag	agaattgctt	gatcccagga	ggcggagggt	gcagtgagcc	aagatcacac	11220
cattgcactc	cagcctgggc	aacaagaatg	aaacccccct	tcaaaagaaa	aaaaaaaaaa	11280
actactggga	ataagcagat	tactagtctg	ctaacttttt	ttagatgggtg	cttttctgtg	11340
atgggatctta	aatcctatatt	aatgaggggtg	aaaaagaaaa	agagctttct	aagaaaattg	11400
gataaactct	aaacttgaag	aaatttatatt	cggtagagat	ggggctcgtgc	tgtattgccc	11460
aggctgatct	caaactcctg	gactgaaggg	atcctcccac	cttggcctcc	taaagtaatg	11520
agacacaagc	atgagccacc	atgctcagcc	cagaaattta	tttttaactt	catgtatgtt	11580
cactgtgtaa	ggtaagaaat	tctcaagggg	caaaaaaaaa	aaggttacta	tagagaaggt	11640
ttaagtgggc	agatttctgg	accaaagggc	attattccct	cgttgaagac	aaaaacaaat	11700
caaatccaga	ctcttctctc	tttaatttta	tatatgctat	acctgtttta	taggcttggc	11760
tcctaataaaa	cctttttaacg	taacttcaag	acatacctgt	agtatacata	ttttgcagta	11820
ctctaaaata	caaaacctat	ctgtcaacac	atttattaat	actccagtgt	tagaatttat	11880
ttttaaaaga	tagactgggt	aatgccatga	attatacact	taaacadgtg	attaagaata	11940
aatattatgt	ctgtttttatc	atcagtttaa	aaaaaaaaaa	aaaaaagcct	ggtgtagtgg	12000
ggaatgccag	tagttccaac	gactaaggaa	gctgagggtga	gagaaggcct	gagccccgga	12060
gttcaaggcc	aacctgggaa	acatagtaag	accctatctc	tttaaaaaaa	aaaaaaaaaag	12120
aaagaaaggc	agattggaag	tcttagttta	cagccccatt	ttgtaagaga	tgagaagtca	12180
aattatttaa	cctagcaact	cacacaaatg	acagcacaca	acctgttaag	atctcaggca	12240
gtagacttat	atctaaagac	tgttgctcatt	caccaatgta	ttaatggata	tgaaaagcta	12300
catgtaacga	aatagtatga	atttttaaaag	gctgttaatt	ctaaataact	ttataagcat	12360
gtattacttg	tacaattata	attatataaaa	atcttaaaaa	aatttaatag	aggagaacta	12420
aggagcaagc	aagcatgtgt	ttcaacctcc	atttaaacac	acaactattt	tcctacctca	12480
gcattctggg	atttggcaat	gtctaccaaa	gtctttgctg	caggatggac	aacatcaaga	12540
agtttcagaa	ttgtggcccc	atcattagaa	attgttgctt	tgctttaaaa	gaaacaaaca	12600
aaaatctaaa	gccccctttct	taaatgctgt	cttcaagtgg	gacctagaac	ccatctacac	12660
tttactggga	tggggcagag	gggatcacgg	cagggctgaa	gggaaaggat	acctatctga	12720
tctttctata	cagaattagc	tctgtacaca	aagggctctaa	aatcacaagc	ttttgcagac	12780
cacagactcc	caatttttct	tgaagagcaa	ttaatacagg	tcaactggat	acagaaaaga	12840
ttttttaaat	aaaagtaacc	acttagatat	tcttaccaca	gttgataccc	tcacacatca	12900
attaatatata	caagatataa	acaggaattt	tctcatcttg	ataacaatgg	aagtgaacac	12960
aggaaactcc	agatggttct	atttcatggt	tctaggccac	gtctccctat	gaggcaacag	13020
gctcctgagc	ctagggttctc	tcataatagtc	ccacacgggc	tcagcagtca	ggacaatata	13080
agaattggaa	ctgcttcaga	gtgagtcac	tttcaacgat	cttaaaagca	gtgggatttc	13140
tgataccaac	ctatgctagt	cccaaacacc	ccctcaggag	cctcctttcc	tgcacacagg	13200
cctgagggaac	tctgtagact	tacctctgcc	atctacaata	agcttggtcca	tgccacgggg	13260
accaggggta	gttcttacag	cctcagcaat	cacctggcag	gcactgatgt	tactcacaag	13320
ctgggggatg	ccttggggagc	tatcagtcct	ctcttttcaat	aggataactg	gtgtggggcta	13380
gaaaagaaaag	aaattaaactg	cttttaataa	tcacttatta	taatgagact	ggcaggggaa	13440
aggggaaaaat	gtcctccatc	ctcccttaac	agaattatct	agaggctctc	ttaaaccaca	13500
ttcccccaac	tgtctaccac	atccattccc	caaccagcct	ctacctccag	agacactatc	13560
aaatttagcc	tacctgacg	gtatgctaga	caggaaaatg	gtttgagaag	cactgacctta	13620
atctaaaaga	aaaaatcatg	agttctccag	taccagctg	aatgaccatg	gccttttcaa	13680
cttctgacct	tactccctgt	gctgaggaat	tgggtcacaa	cacaggagga	agaggcagac	13740
cctgctaagt	gttcattccg	cagcaaaaaca	tccacttgct	tgtgttacag	ctcaatctta	13800



gagaagcaga	tgggacactg	atgcaaaatg	caagatgcc	agagcttgag	gtgttgctct	13860
agagatgcct	aggcagtcag	ctttatgtaa	cagtgatgtt	cagctgcagt	gtaggaaaac	13920
aggcagagaa	acaaacagca	cctttgccct	gttttgaaaa	atgatggcaa	atctaattca	13980
tacagcaatg	tttccatctc	tcagtctggc	tgaataaagc	ttctgtgtga	ctaatttcca	14040
atcagatacc	ccaaagaagt	tttctctttt	ctatattgca	ttgggtctcca	gaacattccc	14100
tatccccgta	agggtttcat	ttgcagacct	gcttttagaaa	ctgagaaaaca	gggatacttg	14160
cttgtttttaa	agggtccgct	cagatatctt	tgtcttagtg	accaccatta	ttagcagaga	14220
gagcaatttc	tcagcttagc	aaaccagact	actttctctc	cacattcaaa	tctgagcctt	14280
cagagataag	cccacgaact	agatccagtc	ttctcaagtg	tttctggcta	attttgtgtg	14340
tgacacagaa	tgtagtaagg	ataaatacta	tttcaaaaact	tttattgtgt	taaatttgtt	14400
actaggctat	gattaaaaat	gtattttctta	ctgtggaatg	caataaaaaag	tttgaaagcc	14460
atcacctagt	ccttagagggt	acgtggatgt	ctgagcaagg	aaggcacagg	aaagcacaga	14520
gctttcccaa	cctaacaatg	aggagtggag	aattcctgcc	aaagacagag	tcttgccact	14580
catgaggctg	attccttatt	aactgggtcaa	ttccttaaaa	agttcaactc	ttttggccag	14640
cgcagctgga	gggtagtaag	caagaggaag	actggaataa	agctgaagag	gcaggcagga	14700
accagatcac	atacacactc	gtagacacac	tatggtgagg	agttcagatt	tcattcctaa	14760
aaaggaaaagc	cctgggaagc	tttcagcaga	ggaatggcat	actgtgattt	acataaaaaa	14820
caaaaaccac	tgtagaaaaa	agaggatcac	ttgagctcat	ggagttcaag	accagcctgg	14880
ggaacatggc	aagaccctgt	ctctacaaaa	agaaaacgaa	aaatacccaa	taaactctac	14940
ggaataagag	agtgggagta	atttaataata	ttattcattt	tttaatatat	atttctaaga	15000
gacagggtct	tgtctccacca	cccatgctgg	agtgcagtg	tgagatcata	gcttactata	15060
agctcaaggc	tcctgagtag	ctggaccgca	atgcataagg	taccacacct	ggctaatttt	15120
ttaaatttgt	atttaaaaaa	tgttgccag	gctgtctctc	aactcctggc	ctctaacaac	15180
cctcctgcct	cagccttctg	aagtgtctagg	attacaggca	tgaggcacca	tgccaggccc	15240
tcattaaatt	tttttaaatg	cttgtcaaat	aatcatacat	tactcctttt	attttttatt	15300
ttaaaaagaa	tgcttgtcat	gtaaaccctt	acatttgagg	tcaggcgtca	actgaaggga	15360
aaattccttc	cttttgctgg	agtgtcccag	gtctggtggc	aagaaatggc	ttctctatac	15420
tcccagcatt	ctttctggct	cttcagctgg	cccagtcctt	ggcaccttct	gtaagggaaa	15480
gatgtgtgtc	ctgaaaggcc	ctaccatctc	ccagtcttgc	taaatcattc	cttatggcag	15540
ccccagctct	tctctggtcc	acccttgcca	cggatggagt	cttacacttt	aaatcaaaaa	15600
ctaacatgag	tctcaatcac	ttcctatcac	cttcaacagg	ttcttttacc	tcaacagggt	15660
aacttaccca	atgcttgtgt	atactttttt	tcacctcaac	ctgcaaagtg	tacccccatc	15720
taaaatagtc	actctgccat	cttctaccaa	aaccactttt	tcaccaccag	gccaccaatt	15780
cctcagagct	ccaattcttc	caagaagtgt	tctctacagt	aataaacaag	ggcatctgaa	15840
taggggaatc	ccataacttt	ctcttcactt	gcccttgctc	gcaacttttt	atcaccatcc	15900
agcttaagta	caagctttcc	aaagacaagg	accaaataaa	ccttaatttg	aagagtgcc	15960
agatttggtc	acacatgaag	caatattcag	cagcttttgg	ggctgaaaat	ccaactgcta	16020
cttgtaagt	cttgacagca	ctggcttctt	gacttttggg	gagaaaagca	ctggcactac	16080
agtaacacta	catttactga	gagttcttaa	gcacaatgca	agaagagctt	ggaagcagct	16140
aaccacagat	tccccagggt	ccctatgctt	tgcaggccct	gaagaaacag	cagggtgggt	16200
agagagcatc	tatgggtggg	aaaagggtgg	agagctggat	tgagtcaagc	caagacaagc	16260
aggataggct	ctcttctaac	agttccccag	cagcaggcac	tgtatgcaaa	gtccagtttc	16320
catcccttag	ttactttcaa	cctcgctcct	tttttttatt	cctctaataa	ataagaaaca	16380
aggctgggtg	cggtgggtca	cgcctgtaat	cccagcactt	tgggagtcca	agggtgggtga	16440
atcacaaggt	caggtgttcg	agaccagcct	ggtcaacacg	gtgaaacccc	gtctctacta	16500
aaaatacaaa	aattagccag	gcgtgggtgg	gtatgctgtg	aatcccagct	acttgggagg	16560
ctgaggcagg	agaattgctt	gaacctggga	atggagggtg	cagtgaagcca	agatggtgct	16620
actgcactcc	agcctgggca	acagagcaag	actccatctc	gggaaaaaaa	aaaaagaaaa	16680
agaacaaga	gcagactcca	gtaattggcc	acagggtata	tgggaagggtt	tgggaatttca	16740
gcttactgat	cttctctctt	atcctacttt	aaaactttca	ctaagcatca	ttaagcttaa	16800
tggcttacaa	aacaagtgtg	tctatgcca	ggcacacagc	gctcaacgcc	acaaaggcaa	16860
ggacatacat	tttatgcaag	ctgtaccaac	atcacaggac	tgagggtttca	ggggaccttt	16920
tcacctctct	ttcgattaca	gaagtattct	agaatatcag	gggccaattt	gaagacagga	16980
agactcttgg	agatagaagt	ttcacatttc	aaaaatgggg	aggagatatc	aagagccaat	17040
acagcaggga	aacgtcaatc	tgacagagga	ggggtcagtt	cagggaaaat	ccaagtgtga	17100
tgatctagag	cccactgggt	aagttttatc	acggcagaga	atggcgggtc	tgatccctag	17160
ctgtgtgaat	gtgaacaaa	gctcttacgg	aagccctggc	agcgggatgg	actgattttca	17220
gagatgaaag	gaagcaaaaa	accacctcgc	cgagtaagag	ctaacattgc	tgagtgtctta	17280
ctatctgcta	ggcacactga	caaactgaga	accagaaatt	aaataacatg	ctcaaagtca	17340
cacagctagt	aagtggcaga	gctaagttac	aaacctaggg	attcagtgta	gctccagagg	17400
ccttactctc	aactgctgta	ctatgctgcc	tctgcacaga	agatgaagac	gacttcaaga	17460

atgagcaatg	ctagagacat	aaaggggaga	ggaagtactg	ttaaattgcta	atttccttct	17520
accttgggta	caagcgggat	tcatagggca	tttggtagaa	cacctaaaag	gtgtctgcgt	17580
ccctaacagg	acagagaaaa	gctgcaggaa	gcaggaaaag	agcagaagat	agagtcggac	17640
aggccaaaa	gaataagtga	actgccaaat	gcacagaaa	cagtattctca	gtcagggcca	17700
aacaccacct	cgaagctgg	ccctactcaa	taacaaccca	ggagatacca	tcgaggcttg	17760
ggacccacgg	aaagtattcta	aagctccgag	agacagagaa	aagaagtgtg	ggaagtaggg	17820
ctacaaggag	cacttttaggt	ggctccagga	ctcacagcaa	ctccctcgcc	ccaaatttca	17880
agaaaacgag	accagaggtt	aggtagccaa	ctagaaaagc	ctttcttatg	tcaccagagt	17940
ccgagcctgg	gtcttccac	ctccgataca	gtgtctccat	ctacctttcc	cgttctcctg	18000
gctgagaggc	tgcaaccccc	agcaaccacc	agggcctggt	acattcagta	ggcactaaa	18060
acgcgtttat	ttaatgactg	agcgaatgag	tgaatgaatt	aaaagtacta	gggaaggcgt	18120
ctgcttctct	gcacgctgcg	gtgaggggtca	gcgagtgaac	atagttagtc	cctagggcgg	18180
cacaatatga	ggcccccaat	gtgctgtgc	cggttccaag	aagcacacgt	ctttacagcc	18240
cgcaaattctc	agagcagccc	cagcttccaa	gtctagctgc	cgaccgcgta	accacggccg	18300
acctgcactc	gtttcacgca	agtcocgcatc	atgcggggct	aaaaaagagg	tccccgacgt	18360
gggttcgcgg	gcccgaagca	ccctgggact	tgtagtcccc	aaccggccag	cccagagact	18420
cctctaaagc	cccacgcagc	cctcgccaac	ggctccagcg	ccgtgctcgg	gccgagccag	18480
gccgcggctg	gctggggctg	cccctaagct	gggatctgg	gcgaggacag	aggcggcaag	18540
caaaagaggg	tcttacagag	caagcccagg	ccgagcggcg	ccggccaccg	gccagatggc	18600
agctgatggc	gacggatgcg	cgagacgcca	ctcaccatca	ttttggaagc	ttattcagcg	18660
gccccccact	ctccccctct	ctccgagacc	gggccgcca	gcaaccaca	atgcctcgcg	18720
caatagaaat	accagaagc	ttgggcccgg	agaggaagag	aacggaccac	ttccgctact	18780
ctatggttcg	ttaccaccga	ctcgggtcgg	ctagaaggac	ctgaggctgg	gcttcgggga	18840
ctctctagt	aggggcgttc	attaaagagg	ggtcgccgca	tttcggtcgt	gcttcttaga	18900
gcacggaggg	tctttgctcg	gcccgcacat	cctactaact	taattccacc	ctcctccatc	18960
cccggacgcc	agaccaagga	atgcaataaa	ggcaaaagt	tgggacgcaa	agtgtgggat	19020
aggctgggtc	caaagcactt	tacgtgagcg	atctcattta	atcctcacia	ccctattgcg	19080
ttggtcctat	taaggccatt	ttactgatga	cagaaaggag	gctgagaggt	caagggtgtcc	19140
agtgtcacag	ttacatagtc	agtgtcaacg	ggacgagcgt	gggaagctgc	ccccaatgcc	19200
cgttttcttg	ctttgcaactg	gccagaggct	cctcgtggat	ggcgtgcgcc	aggcccgccg	19260
cccagcgcc	atccacgggt	agcgcgcaag	cgttggtggc	actgggcgga	agacccccctg	19320
gcgcaagacg	agtgccttcc	cgtgaaggcg	tggggaggag	ggaagcgcag	ctcggaggag	19380
ggaagcgcag	ctggggagaag	gctaactcgtc	gtcaatcgag	gcggccttgg	agtggacagg	19440
accgaga						19447

<210> 8876  
 <211> 2088  
 <212> DNA  
 <213> Homo sapiens

<400> 8876						
gtgtccttct	aatgccatct	ctgtagaaaa	tgtgccctgt	aaggtcagtt	tcctggaagc	60
tcttctgtgt	gttgccctt	ctccagcagt	gggtcgattg	tcaggagacc	caggatggaa	120
gctaagtgca	ctggtcattg	gttggtcttt	cagtgcctt	cagacagccc	ttgccctggt	180
ggtcttgtgc	ctccctgtct	gtttgggtgcc	tcttttataa	attagttagt	acttcaggaa	240
atggtccttg	atttcaaata	gctattcctg	gagacattct	aattctgttg	tttaaaccct	300
aaaacaaaca	aaccaaagta	attccctgga	tattggtggc	tactggtgtg	aagagcatgg	360
tgcggcgcc	gttacttgg	tgagctttga	tcaaagaatg	gcatcaaata	ataacagaca	420
ttggaggat	aagtgattac	aaggagaatc	atagatctaa	ataaaaaatg	aatggtggtt	480
aatactttta	ttgatcgaga	tgatacagca	atatttttat	tcatatatca	gtacaatatt	540
taacttttaa	aggaagtgat	attcatctta	gcagaggctc	cttagcacca	tatttgcaac	600
attggatgtt	atccattgag	ccttggtttg	gggaggaaaa	aagacaccaa	ctttcttgag	660
taaattgttc	tctgaagggt	ttttacacag	gaatacaaat	ttgcctgaac	tcaaaagggt	720
cttggtttaca	gtactttaat	cttggttttc	acttcataag	ccctctgtaa	actgaaatac	780
agagctacag	gcaaaccctca	ttttattgca	cttagcttta	ttgctctttg	aagatactct	840
gttttttttt	tttattcaaa	ttacagattt	gtggtaaccc	tgccctcaaac	aagtctgttg	900
gtgccatgtt	tccaataaca	gggtgctcact	ttttgtctct	gtgtcacatt	ttagtcat	960
tctcaatatt	tcagactttt	tcattactgt	tatatctgtt	atggtagacct	gtgggtcccag	1020
atcttttgat	ttactattgt	cattgttttg	gggccccata	aaccatgccc	atataacgtg	1080
gcaaacctta	tcaataagtt	ttgtgtgttc	cgattgctcc	atgaaaccag	ctgttcccc	1140

tctctctccc	tcttctcggg	cctccctatt	gcctgagaca	cacaatattg	agattatgcc	1200
agtttaataac	cctgcaatgc	ctctaaatgt	tcaaatgaaa	ggaagaatct	catgtctctc	1260
acttttaaata	aaattctaga	aaggattaaa	cttggtgaga	aaggcatgtt	gaaagccaga	1320
atagcgtgaa	ggctagacct	cttgccacca	acagccaagt	tgtgaatgca	atgaaaagtt	1380
cttgaaggaa	attaaaagtg	ctacttcata	gaacacatga	ataataagga	aaacacctta	1440
tttctgatat	agagaaagtt	ttaatgggtc	ggatagaaga	tcaaatcagc	cacaacgttt	1500
ccttaagccg	aagccagagc	aaggctctaa	ctctcttcaa	ttctctgaaa	gctgagacag	1560
gtgaggggagc	tgcagccaaa	aagctggaag	ctagccgagg	gtggtttatg	aggtttaaga	1620
aaagaagcta	tctccgtaac	ataaaagtac	tagacgaagc	agcaagtgc	gatgtagaag	1680
ctgcagttag	ttatccagaa	gatctagctg	ggataattga	taaagctagc	tacactaaac	1740
aacacattht	caactgtaaac	caaataagcca	tctattggaa	aaagatgctg	tctaggactt	1800
tcttagctag	agagtacgag	gcactgcctt	ttcttaaagc	ttgaaaggac	aagctgaccc	1860
ttggtaggag	ctaattgcagc	tagtgacact	aaattgaagt	tagtgctcat	tttcccttct	1920
caaatccta	cggcccttca	gaattatcct	taaatctact	ctgcctgtgc	tctaggaatg	1980
gaactacaaa	ggctagataa	cagcacatct	gctgacagca	tgatttactg	actattttta	2040
gcccactatt	aagacctact	gcttagaggg	aaaaaaaaaa	aaaaaaag		2088

<210> 8877  
 <211> 463  
 <212> DNA  
 <213> Homo sapiens

<400> 8877						
ctgatgtttt	tactcaccat	cttgccaccc	aacagcattc	acttgggagc	ttattagaat	60
tgcagaatcc	tcagccccac	cctgacctac	tacattagaa	tctgcatttt	accaagaggt	120
ccaagtgggt	tacattcacg	tggaagtttg	caaagcactg	gtctacaacg	gtgggtccatg	180
gagcaaagct	tgagtagtaa	agctgtagca	cagtagttct	caaacttgat	tgctcattag	240
aatcatacag	ggagctctgt	aagcttctca	tctccagcct	tcaccgtcag	agattctatt	300
tgtagtagtg	gcacctggag	atggatagct	ttaaagagct	ccccgggtgat	tctgatgcgc	360
agcctaggtt	ctcaacacct	tgctactccc	aggtgtgggc	ctcagactaa	cagacatcac	420
ctggacctgg	ttagaaatgt	gtctctcaga	taccacctg	gac		463

<210> 8878  
 <211> 3943  
 <212> DNA  
 <213> Homo sapiens

<400> 8878						
tgacaattca	aattcgaata	tcacttgaaa	agctcttaag	aggaaataat	aaattcttta	60
ccttggttga	cttcaaaaaa	ttacattttg	gggtcaca	gactctccaa	attggctgtg	120
tgaccttga	taagtaactt	aatctcaaaa	tctctcatat	caaaactggg	ggattagttt	180
aagtgatatt	gaaaatccca	ttcagtttta	aaatcctgtg	gttctcta	tttttctttt	240
agctttgttt	tccggaaagt	tcgaagcttg	ctagggggaa	atattcgtct	cctgttgtgt	300
ggtggcgctc	cactttctgc	aaccacgcag	cgattcatga	acatctgttt	ctgctgtcct	360
ggttggtcagg	gatacgggct	caactgaatct	gctggggctg	gaacaatttc	cgaaggtagt	420
gttctccatg	gtcagaggct	ggagtgtgat	gccagacgtt	tttttgggg	atgggatatt	480
ttctgcaaat	atataggaga	agagttagtaa	gggtgtttgt	aggcagaata	atgggtggatt	540
ccaagtacta	tgatcattga	tatcaatttt	tagaatgtat	tagatgcac	tggagtcaat	600
aatttatctg	gagaagttht	tatatcaaac	tgataggtaa	tattaaaaac	cacttagcat	660
tttggaagag	aaacttttag	aacaaacact	gactgttttg	tgtacattta	ttttctcaca	720
tcagtgatta	aattttcttt	tatgtagaaa	acttaagggtg	cttttggtta	tttgtgtagg	780
tgagtatat	aaggctcagg	ttcagaaatg	tttatgagga	tttctgtaag	tgtagagaa	840
ggaactaagt	tctggtctag	ggaatattat	taccagagtt	tatcatgtgg	ttgtgtttga	900
ggaggagatc	taccaactaa	tcagcagttc	tgagatgaat	cgcatagggc	ctcatgcgtc	960
ccttttatgg	gagaaagtta	ttttgctttc	cggtagagga	tacagctgtg	cttctcctac	1020
tttgtatttg	ccatatacgg	atagatacaa	aacctcatga	ctgatttttc	cctattttatt	1080
ttgagtggct	ctgtatacca	ttttcatgta	ttacttcatt	tttctgtttt	tcagttatgt	1140
tctctgtttt	cgtatattht	tggaagctag	ttctaagtca	tgttttgtag	gaaataagca	1200
atcttaata	catgcatagg	ggattttctt	cttctgagga	tccttaattt	cttctatttt	1260

taagattcaa	attgaatgat	taatcagtaa	cagtttatgt	tttaaataaa	agtcttttaa	1320
atgttaaata	tcagcctttc	atctctgata	tttggctctt	gaagaggaaa	cataatgcaa	1380
tagtaattca	taatagtgga	gggttctttc	ctcacatcct	tgaaagccac	cagtcttatt	1440
cttcagcctg	gctcttgagc	tattgctgta	ttaattttaa	ataggggtgtg	atagcataag	1500
ctgatggaag	cctgcagaga	tctcactttg	aaatgggtgat	acattacatg	ggaaaagatt	1560
agagaggtgt	tttatactgc	acatcggtga	ggcctaataa	gaaagtagaa	tagacgtaaa	1620
ccattgtttt	catcatcctt	taagacaggg	atctcaaact	caagaaccag	gcagctacct	1680
atttaaatga	gtcaagtggg	ccctaatagt	agacaatgtg	atgggtaagg	attgattctg	1740
agggaacagg	agcaggcatg	ccctctctaa	cagaggccgt	cagttctgct	gtacctgaaa	1800
tgtgggcccc	ttgttgctgg	cgattccaca	cttacatcta	aaatttcctg	atcttttaag	1860
aatgacaata	actaattta	aaaaaaaaa	aaaacctcaa	tgtaggccaa	aaaatacgac	1920
tctacaggcc	tcacggcctg	tgcttcacca	atatgtgact	tctgctttta	aggaatagct	1980
ggggatacct	cagccttagg	ataaataatc	atctttggta	atcttagaaaa	atgaagcagt	2040
gtattagcta	ctgtttctca	atatactttt	tttcatttaa	ttcctagtgt	gggactacaa	2100
tactggcaga	gtgggagcac	cattagtttg	ctgtgaaatc	aaattaaaaa	actgggagga	2160
aggtaataaa	ctattttta	cacagagcat	taatttttaa	agtattaaac	ttgaaaatta	2220
gtgcttcact	ttcttgcttt	agaatgtaaa	caccataaag	tgctcatttt	tgctctttgt	2280
gatagacgtg	ttttatctcg	aactatatga	atgcatttat	ttttcttggt	tcaaagatgt	2340
ttctgaagaa	ctattattgt	tttcattttta	cttattacgt	agatgcaagt	aagaattatg	2400
gcaaaaactt	gagaaatgta	ctaataagtg	aataatgtca	ataaattagg	agtgatcata	2460
actttatttt	gcagaagtaa	aattataaaa	tttattttat	gaaattgtgg	atcttttaaat	2520
gatttttttc	tttttttttc	tgaggggcttc	aaccttgat	tattagaagg	aaattttcac	2580
tgcaattcca	tagaagtctg	tttattctca	tgccatttaa	aataatgggtc	acttaaaaaa	2640
ttatttgatc	ctgttaaaat	atacaaatta	tctgtgtttt	attgggatgc	acctttcttc	2700
tacattaagt	aaagataaag	attctggccg	ggcgagtggt	ctcactcctg	taatcccagc	2760
actttgggag	gccaaagacg	gcggatcatg	gggtcaggag	ttcgagacca	gcctgaccaa	2820
catggtgaaa	ccgtctctac	taaaaaata	aaaattagcc	aggcgtgggt	gtgcgtgcct	2880
gtaattccag	ctactcgga	ggctgaggca	ggagaatcac	ttgaaccggg	gagggtggagg	2940
ttgcagttag	ccaagattgc	gccactgcac	tctagcctgg	gtgacagagc	gaaactctca	3000
tctccaaaat	aaataaata	agaaagattc	taaggcttgg	atgtctttta	gctatcttta	3060
gcagaattag	tgggaatatt	taataaattt	aggcttggag	tcattttgaa	attatctata	3120
agaataaata	ttaatatgta	gtaactcact	tttttttttt	tttttttttt	gacacggagt	3180
tttgctcttg	ttgcccaggc	tggagtgcag	tgtcaatggg	ttcggctcac	tgcaacctcc	3240
acctcctggg	ttcaagtgat	tctcctgcct	cagcctccct	aatagctggg	atttcagggtg	3300
tgcgccacca	tgcccgacta	atcttttgta	tttttagtag	agggtggggt	tcaccatggt	3360
ggccaggctg	acctcaaact	cctgacctca	ggcgatccac	cctccttgge	ctcccaaagt	3420
gttgtgatta	cagacatgag	ccactggccc	agcagtaact	cattcttata	tagggatttg	3480
ttctattaat	tgcatgactt	aatacttctg	tcagtttatc	aatatgatat	ttaagatggt	3540
gcagaactct	tcaaataatt	tgtctcctgt	atctataatt	ttatacaaca	aatggaagat	3600
gttgggtttt	agagtttaat	ttttttctca	gaatagaagt	ttgaaaacat	aaatacttat	3660
ggtttagcaa	ctgagatttt	gtgcctactg	ttaaattgat	aaactttggt	cattcatagt	3720
gtctgccttt	tttcttttgg	gaagttctaa	ttggattaaa	ataagatgac	tgttttagaaa	3780
ctagtagttt	caaattttca	tgtgttgat	ttaaactca	tattaactca	attattattt	3840
tattaggtgg	atactttaat	actgataagc	cacacccag	gggtgaaatt	cttattgggg	3900
gccaaagtgt	gacaatgggg	tactacaaaa	atgaagcaaa	aac		3943

<210> 8879  
 <211> 1239  
 <212> DNA  
 <213> Homo sapiens

<400> 8879						
atttgagata	tttccttttg	attcagacgt	aacactgtgc	tttcaagctt	aacatcctat	60
tatttttcta	tatatagcta	gtgtttatga	aagtttctct	actccttatt	tttaaatacca	120
tataaataaa	gcatttattg	gattttatct	gaggttgaat	taaagaagtg	taagtttatt	180
tttagcatcg	tgagaagtgt	ctcacttaag	gtagttttta	atctgggtgt	gtttgcaatg	240
aaacaatat	agacagtgtt	ataattgatt	tctttctttt	tcctaccatt	tcattcagcaa	300
gtcccttcag	ctctttcaaa	ataaaccttg	aatctgatca	ttgtgggtctg	aatcactatt	360
atattttgcc	agaactgcta	caatagcctc	caaattcttt	tttctctttt	tcttactctc	420
aattaatgaa	aattttacct	taccacagta	aatcagctca	tgcccagtgga	tcttttaaaag	480

acaaatcaga	ttaacattca	cctgctgaaa	acccttcagt	gaattttctgt	ctcttctaga	540
ataaaatcta	aagtctttat	tgtggcctcc	aatgctctat	ctagtctggc	ccatatctat	600
ctctaactgt	atctttgatc	aatctctatc	ttaatcattg	tgttccaggc	acactaacca	660
tctcgctatt	ccttgaatag	catattttctg	tctggaatgg	tcaactaaca	gcaaagagga	720
cagtgtgggt	ggataggaat	gagagagggg	ggaagagggg	gatgaggtta	cagaggtaat	780
taggggaaag	attatatggg	cttataggcc	gtagtagtac	ttttagattt	ttctctgaaa	840
aaatagagag	ccatttttagg	gttttgaaca	aaggactgat	atcttccact	tgccatttaa	900
aaggatcatt	ctggctgttg	cattaagaat	gactatagag	gctgggagtg	gtggctcaca	960
cctgtaatcc	cagcactttg	ggaggccaag	gcgggcagat	catttgaggc	caggagtctg	1020
agaccagcct	ggccaatatg	gtaaaaccct	gtttctacta	aaaatacaaa	aattagctgg	1080
gtgtgggtggc	gcccacctgt	aatcccagct	actccagagg	ctaagggtggg	agaattgctt	1140
gaaccagggg	ggtggagggt	gcagtgaact	gagatcatgc	cactgtgctc	tagcctgggt	1200
gacagagtga	gactccatct	cgggggaaaa	aaaaaagaa			1239

<210> 8880  
 <211> 1239  
 <212> DNA  
 <213> Homo sapiens

<400> 8880						
atttgagata	tttccttttg	attcagacgt	aacactgtgc	tttcaagctt	aacatcctat	60
tattttccta	tatatagcta	gtgtttatga	aagtttctct	actccttatt	tttaaatacca	120
tataaataaa	gcattttattg	gatttatact	gaggttgaat	taaagaagtg	taagtttatt	180
tttagcatcg	tgagaagtg	ctcacttaag	gtagttttta	atctgggtgt	gtttgcaatg	240
aaacaatatt	agacagtttt	ataattgatt	tctttctttt	tcctaccatt	tcacagcaa	300
gtcccttcag	ctctttcaaa	ataaaccctg	aatctgatca	ttgtgggtctg	aatcactatt	360
atattttgcc	agaactgcta	caatagcctc	caaattcctt	tttcctcttt	tcttacactc	420
aattaatgaa	aattttacct	tacccaagta	aaatcagcta	tgcccagtga	tcttttaaag	480
acaaatcaga	ttaacattca	cctgctgaaa	acccttcagt	gaattttctgt	ctcttctaga	540
ataaaatcta	aagtctttat	tgtggcctcc	aatgctctat	ctagtctggc	ccatatctat	600
ctctaactgt	atctttgatc	aatctctatc	ttaatcattg	tgttccaggc	acactaacca	660
tctcgctatt	ccttgaatag	catattttctg	tctggaatgg	tcaactaaca	gcaaagagga	720
cagtgtgggt	ggataggaat	gagagagggg	ggaagagggg	gatgaggtta	cagaggtaat	780
taggggaaag	attatatggg	cttataggcc	gtagtagtac	ttttagattt	ttctctgaaa	840
aaatagagag	ccatttttagg	gttttgaaca	aaggactgat	atcttccact	tgccatttaa	900
aaggatcatt	ctggctgttg	cattaagaat	gactatagag	gctgggagtg	gtggctcaca	960
cctgtaatcc	cagcactttg	ggaggccaag	gcgggcagat	catttgaggc	caggagtctg	1020
agaccagcct	ggccaatatg	gtaaaaccct	gtttctacta	aaaatacaaa	aattagctgg	1080
gtgtgggtggc	gcccacctgt	aatcccagct	actccagagg	ctaagggtggg	agaattgctt	1140
gaaccagggg	ggtggagggt	gcagtgaact	gagatcatgc	cactgtgctc	tagcctgggt	1200
gacagagtga	gactccatct	cgggggaaaa	aaaaaagaa			1239

<210> 8881  
 <211> 1674  
 <212> DNA  
 <213> Homo sapiens

<400> 8881						
gaaggatgga	aataggacc	ttgagccgat	tactccgtga	tggctcagac	tgcatgcaaa	60
gactaggatg	gggctcttgc	tctggctcag	tgttgggcat	acttcccctc	agaaggcccc	120
cgccaaagag	cttagatttt	ggcttgggaa	aaacattacc	cctcttcagt	aaccctgaag	180
ctctgtat	ggtatttggg	attcaggtag	gtcagctgct	catgttgcct	ggcccaagtg	240
tgtaagaaca	aacagtaatg	ccagtcattt	tcccactaag	atgttccagt	gggaaggggg	300
gctggataga	aaaagagaat	ttttttttct	ctgtgtaatg	ataactttgt	tcacgtagta	360
agaattcagt	tcttactatt	ggtgtgaata	gggggtaaat	attattttta	tttaaagca	420
aaattaaata	ctttctgaac	ctcatccatg	tttgcaagta	gatgtctact	gtggttgcct	480
tttttctctc	agagaatatt	ttaataaact	tgtaagtaat	tttgttacat	ttttctgtct	540
gcctgtgtac	tatgtattaa	aactcacatg	ggggctttca	tgataaaaag	ataaactggt	600
aagcagttgg	aaattttcag	tgttcttcca	gtggacacct	gccttggggc	aggagcttct	660

ttgtagtcat	tattgataga	atgggggtcac	acacattgtg	ctcctgcatt	aagggcagct	720
ccaaggtttg	gcatgagact	atgcatgtgt	gtggacacgg	aggtttctca	gtgagaaaga	780
gtcctaagac	agtgaagtgg	aacgaggcct	taaaaatcat	ctagtcagct	gacttccagt	840
ttcaggttct	caggctcctt	ttgggtat	aggaagccca	cattggacta	gagagagact	900
tcagaccaag	atatcatggt	tatgttcttt	tagctagaat	tgtgttaagg	caatgactat	960
ctcctacagc	ttagaagttc	tgaagtacat	ggccaggagc	ggtgggtcac	acctgcaatc	1020
ccagcacttt	gggaggccga	ggcgggtgga	tcacccgagc	tcaggagt	gagaccagcc	1080
tgggcaagat	ggtgaaaccc	tgtctctact	aaaactgtga	aaaacacatt	agccgagcat	1140
ggtgatgcat	gcctgtaatc	ccagctactt	gagaggctgg	ggcacaagaa	tcacttgagc	1200
ctgggaggca	gaggttacag	tgagccaaga	tggtgccagt	ggactccagc	ctaggcaaca	1260
gagcaagact	ctgtctcaaa	aaaaaaaaaa	aaaaaagttc	tgaagtacag	ttatatatgt	1320
at ttgattaa	tacaaaagta	gagaagttaa	tcactcctta	aaaaatgcag	tttgggaggc	1380
caggcacaat	ggcttatgcc	tgtaatccca	gtacttttga	aggccgagga	aaggcggatc	1440
acttgagtcc	aggagtagga	gaccagcctg	agcaacatgg	tgaaccccca	tctctacaaa	1500
aaatacaaaa	attagctggg	tctggtgacg	tgtgcctgtg	gtcccagcta	cttgggagac	1560
tgaggtagga	ggttcacgtg	ggcccaggag	attgagactt	cagttagcca	tgattacacc	1620
actgcacttc	agcctgggca	gcagagtaag	accctgtctc	aaaaaaaaaa	aaaa	1674

<210> 8882  
 <211> 1674  
 <212> DNA  
 <213> Homo sapiens

<400> 8882						
gaaggatgga	aataggaccc	ttgagccgat	tactccgtga	tggctcagac	tgcatgcaaa	60
gactaggatg	gggctcttgc	tctggctcag	tgttgggcat	acttcccctc	agaaggcccc	120
cgccaaagag	cttagat	ggcttgggaa	aaacattacc	cctcttcagt	aaccctgaag	180
ctctgtat	ggatatttggg	attcaggtag	gtcagctgct	catgttgcct	ggcccaagt	240
tgtaagaaca	aacagtaatg	ccagtcattt	tcccactaag	atgttccagt	gggaaggggg	300
gctggtatga	aaaagagaat	tttttttct	ctgtgtaatg	ataactttgt	tcacgtagta	360
agaattcagt	tcttactatt	ggtgtgaata	gggggtaaat	attattttta	tttaaaagca	420
aaattaaata	ctttctgaac	ctcatccatg	tttgcaagta	gatgtctact	gtgggtgcct	480
tttttctca	agagaatatt	ttaataaaact	tgtaagtaat	tttgttacat	ttttctgtct	540
gcctgtgtac	tatgtattaa	aactcacatg	ggggctttca	tgataaaaag	ataaactggt	600
aagcagttgg	aaatttttcag	tgttcttcca	gtggacacct	gccttggggc	aggagcttct	660
ttgtagtcat	tattgataga	atgggggtcac	acacattgtg	ctcctgcatt	aagggcagct	720
ccaaggtttg	gcatgagact	atgcatgtgt	gtggacacgg	aggtttctca	gtgagaaaga	780
gtcctaagac	agtgaagtgg	aacgaggcct	taaaaatcat	ctagtcagct	gacttccagt	840
ttcaggttct	caggctcctt	ttgggtat	aggaagccca	cattggacta	gagagagact	900
tcagaccaag	atatcatggt	tatgttcttt	tagctagaat	tgtgttaagg	caatgactat	960
ctcctacagc	ttagaagttc	tgaagtacat	ggccaggagc	ggtgggtcac	acctgcaatc	1020
ccagcacttt	gggaggccga	ggcgggtgga	tcacccgagc	tcaggagt	gagaccagcc	1080
tgggcaagat	ggtgaaaccc	tgtctctact	aaaactgtga	aaaacacatt	agccgagcat	1140
ggtgatgcat	gcctgtaatc	ccagctactt	gagaggctgg	ggcacaagaa	tcacttgagc	1200
ctgggaggca	gaggttacag	tgagccaaga	tggtgccagt	ggactccagc	ctaggcaaca	1260
gagcaagact	ctgtctcaaa	aaaaaaaaaa	aaaaaagttc	tgaagtacag	ttatatatgt	1320
at ttgattaa	tacaaaagta	gagaagttaa	tcactcctta	aaaaatgcag	tttgggaggc	1380
caggcacaat	ggcttatgcc	tgtaatccca	gtacttttga	aggccgagga	aaggcggatc	1440
acttgagtcc	aggagtagga	gaccagcctg	agcaacatgg	tgaaccccca	tctctacaaa	1500
aaatacaaaa	attagctggg	tctggtgacg	tgtgcctgtg	gtcccagcta	cttgggagac	1560
tgaggtagga	ggttcacgtg	ggcccaggag	attgagactt	cagttagcca	tgattacacc	1620
actgcacttc	agcctgggca	gcagagtaag	accctgtctc	aaaaaaaaaa	aaaa	1674

<210> 8883  
 <211> 153  
 <212> DNA  
 <213> Homo sapiens

<400> 8883

tataaattga	attatgtaat	atgtgatctt	tgtgattggc	ttctctcagt	tagcataaagg	60
ttttcaatgt	tcatacatgc	tatagcctgt	gtagtactt	tgtttctttt	tcttgccaaa	120
taatatccat	tgtaggggta	tgtaacattt	tgt			153

<210> 8884  
 <211> 153  
 <212> DNA  
 <213> Homo sapiens

tataaattga	attatgtaat	atgtgatctt	tgtgattggc	ttctctcagt	tagcataaagg	60
ttttcaaagt	tcatacatgc	tatagcctgt	gtagtactt	tgtttctttt	tcttgccaaa	120
taatatccat	tgtaggggta	tgtaacattt	tgt			153

<210> 8885  
 <211> 230  
 <212> DNA  
 <213> Homo sapiens

cgggcggtac	atgaggtcag	gagatcgaga	ccatcctggc	taacacagt	aaaccccgtc	60
tctactaaaa	aatacaaaaa	attagctggg	cgtgggtggc	ggcgcttgta	gtcccagcta	120
ctcgaggagg	tgaggcagga	gaatagtgtg	aaccaggag	gaggagcttg	cagttagcag	180
agatcgtgcc	actacactcc	agcctgggtg	acagagttag	agactctgtc		230

<210> 8886  
 <211> 7029  
 <212> DNA  
 <213> Homo sapiens

attggctaca	aacccactgg	tataagcagc	agtgtgcctt	ctctctaact	gtggacaagt	60
cgggcatgtg	gcgggtgagg	agccctgggc	tgggcactgg	ggcacagtga	atggggcggg	120
aggggctcac	atcaaaacca	aaatggcacg	cagcccagg	ctggttcctc	catcagtgtc	180
tctttctcta	gcgcttttct	tccgaggtaa	ctttgtgaag	cttgacttgg	acttgccctag	240
ccttgaggag	accacaacag	ggaggcctaa	tagattatga	actaagccct	caaaagggtc	300
acctgcccag	gaggaggaag	tgggcactct	cttccacagt	ccctgcctgg	cggggctggt	360
caggggagact	gagttccgag	ctcaggatgt	ctggcagggt	ggctgtgact	tccagccacc	420
atcaccagga	caccgggtgtg	ggctgcatgc	ctcagtgggc	caggagaggc	acggcctctg	480
agttgggttag	aggcttccca	caaaggcctg	ggaacctgat	cctggccgta	aatctgaaag	540
taccacagcc	ctcaggagaa	ccaagagata	gggaggcagg	ctggggaaat	gtcatcaatg	600
tgcacccagg	cgtgggtggag	ctggtcagcc	ccagctggag	tgggacccca	tcaagatgga	660
gcctttcctg	gcacctccgg	gaggccgttt	tgcgtttccg	cccttcctgc	atctgaaaca	720
ccaagggcca	tgttctctct	ggtgcttgtc	cttttgagct	tgggtgtttca	gccgtgtctg	780
ttttgtagac	tttgattttg	tcttaaatga	gaaagaaagc	tgggtgaagg	tatttcaaag	840
ttaaatagct	agtctgaggg	gcttatcact	gaagccagtt	gtgcttatgt	gggggtgggag	900
tgtcactgcc	tacttgaaag	tatgcacttg	tgtggaacag	attcagggtg	gcccctagca	960
cttggggctg	cgggagcttc	tgcacacttt	ccctttaacg	gtaaagagac	aagcttggag	1020
tgtttaagtg	gttcgttcag	gagcacagt	atagcgtgta	caaaggagat	ttgaaccac	1080
gtctgcgtgg	ctccaaagtt	cactctttca	tactccctg	ctgcgtcctt	cttgaggctt	1140
tagcattttt	agtgtgtttt	gtgccccag	acctcagagt	tgacatttag	cagtataaaa	1200
ctgctgtaaa	tccaaagaac	gttttagtgc	tcttgtggtg	aggtcctgaa	atgattgttg	1260
tattagtcaa	acagaatgat	catggagcat	gtatggagat	gtcagatgca	atccctgtat	1320
tgtgaaggcaa	tgacatttaa	tgaaggataa	gatgaattca	cagataacta	gaactcagg	1380
ccaaacgcac	acagcctgta	gcaacagtgt	catgctgaga	tttaaaggaa	gaagaggtgc	1440
cgtggcagaa	ctccacgtga	ccgtcccttc	cctgcacgca	gccaggatga	gaggagcaga	1500
gctgagcgcc	acctccctgt	cggtgccacg	gctgaggtga	ggagctcttg	ccggatgggtg	1560
gggtgggggc	agcagggcag	attgaagtca	gggattctct	tatacctgag	tttggaatgc	1620



ctcctattca	aacaaagcaa	aatatctaac	agatggttgg	atatgagtct	cagggaggaa	1680
ttcaatttga	aaagcacaga	attaacatgt	attgcttata	tgaagaatct	cagctagaat	1740
aacaaggctg	gatgggagga	atcaggactg	atttgaagca	cgatttacta	aatcattctt	1800
tccttttcct	ccttagcaga	tcataccgcc	agctgcttaa	cacgtaatag	tttaataaat	1860
tggtttctct	tacctctcag	tgagggtaag	cacatgcagg	gagatgggtg	agtcttttaa	1920
atggatagtg	tcattctctga	tgatcagcct	tgacaggagg	agatcctagt	aaagctgcaa	1980
attcaggcac	tcagttccca	gccctccagt	tatcaagggg	gtgggaacgc	tggtgggctg	2040
gaaaatgtgg	aacagacctg	ctcctcttct	tttcctgcca	attaccgtat	tcatagaagg	2100
ttgtgtctgt	ggatcacacc	tgtgtgtgtg	ctgatggcgg	atgcttgtgt	agcatagtga	2160
cttgggacaa	aacagcatgg	tagatgaggg	tggagacggg	tgggctaagt	aaacaggcat	2220
tgcatatgcac	attttgtggg	caaagaagtt	gaagcatcgc	atgattttaa	caaattactt	2280
gccagatgat	ttcaacacac	tgcaaaaatt	agaatcaata	atgccaaatt	ggccacatga	2340
tttatataaa	accaagtgtc	atggttttaa	tattatcttt	agaggagaaa	ccattttgat	2400
ctgtgtccaa	ataactcttt	tttttttttt	tttttttgag	acagagtctc	actctgtcgc	2460
ttgagctgga	gtgcagtggg	gctatctcgg	ctcactgtaa	cctccgcctc	ctgggttcaa	2520
gcgattctcc	tgectcaacc	tcctgagtag	ctgggattac	aggcaccgcc	caccacgccc	2580
agctaatttt	ttgtattttt	agtagagacg	gggtttccacc	atgttggcca	agctgggtctc	2640
gaactcctga	cctcatgatt	tgcttgcctc	agcctacaaa	agtgtctggga	ttacaggcgt	2700
gagccaccgt	gcccagcccc	caaataactc	ttgaactgga	aaataactct	ttagctatat	2760
actggcagaa	tatttgaaca	actctagcaa	gaaatgtcag	tttagggatg	cctcctctaa	2820
atgggggctt	agaattataac	attttgcagg	aagtcctttc	tgatacatag	ctgactagat	2880
gaaggaccag	attaacaagt	tcattgagttg	taaatataaa	agttgtgtac	cacgataaaa	2940
aagaaaaaga	agtattggctg	cactgttgat	ggctgggtcaa	acagccccc	agaatcctgg	3000
ggtgactcca	atactgccac	cttttctctg	tgggtgcagt	tgcttgcgga	tgtgtgtgca	3060
catctgtgcc	tcgggatgca	cactcgagat	gcccgcctctc	atagacgggtg	cagagcgtca	3120
ctgcattcct	atctgattaa	tgtgacctta	gtgttgtaga	tacactgtgt	cactttcatc	3180
ctccctcctc	cccacaaaag	atgccacgag	aactcgtgaa	ctgtgataag	caatgaacag	3240
aataactgtt	gaagaagcac	ctcatgaacc	tccccagaga	aacgggatgg	aggagcacc	3300
aggggtgctct	tgcctctctg	cctgcgctgc	catttctctc	cagcctgggt	ttctagctct	3360
ttggggagat	tccccgtttt	gtggaatgtc	ttctgtgttt	cctacttctg	gatgcctaag	3420
gagtgccacg	tcatactcct	ggctgaccac	tgccagcgac	cgtgggttttc	ctcactgaac	3480
tcaaggagtc	accctccgtg	gggagggcc	actcacagct	ccaggcctgc	catttagccc	3540
ttggggcctt	gctgtaaagt	tgcccaagag	gattacagga	gctgccagcc	aagtttaatt	3600
tggccacctt	agagaactgc	agcaaggccc	tatcagcttc	ccattagaca	aacaactgca	3660
tttaaattaa	ataaagtttg	cacctctagg	gagtgctgac	ctgaaaataa	gaaccttctg	3720
tctgtgatta	tagagtacac	ttgcttttat	taattgctga	ttcttagttt	acaaaaaaaa	3780
aaattagaaa	agcattacca	tttactttcc	aaggggcaag	agattctcta	caataccctt	3840
cccccaaccc	tctcctcaaa	tttccaaatc	ctaaataact	tgaagaaatt	tgtgtgactg	3900
tttaaaattg	agtatttctt	tctaactatt	gtctttttgaa	aagggatggt	tcaccaggcc	3960
agtgataact	tattggactgc	attttgggac	ctctacccca	gcaaggatac	aggttcctgg	4020
ggctcttgaag	atgggaaaag	ttgtctcaga	atttacccaa	atgtcgttct	caccataaaa	4080
gatatacttg	tagaaatgag	aagcttcagt	ataactcaaa	acactggacg	cagcaataac	4140
tataaacatt	ttaatttcaa	aaacaaaggt	gtgtgcgatg	ttgtgtgcac	agtaagggtt	4200
gcggggcctt	gagaacaagc	acgcgtccct	gtgaagcccg	caggggtgctg	gcggccacc	4260
aatcgcctgg	actacagtga	ggagcattgt	gtgactccgc	ggtggatttc	catgcaccga	4320
atggactcag	tttctaaact	cacatcctaa	cgtatcctgg	cttttcacag	aatactggag	4380
acatgactgc	atgcatgac	acggttcttg	ttgtgaagct	gccaccatgt	tacgtttaac	4440
agctgcataa	atattataaa	gaaatagggt	tttcttgaca	cttagattta	accttaatgc	4500
atctgccacg	ctgatgggat	cagacgtgct	gctgttcatt	tctttttcat	ggtaacagta	4560
atgtataaag	tgccgatgat	gtaacatgca	gttgtcttat	tttcatcagg	gcatttgttt	4620
catggctctg	ttgagttgtt	ttaagttagt	gaatggcttt	tgagatttca	gattctggaa	4680
catgtgtggt	gctgtccgcg	gtgtgccgct	ctgggcagcg	ctgtgcctgg	ccaggagggt	4740
gtgggtgtgg	ttctttgttg	cttttttttg	tttccccatc	atgtgaggtt	tttttgttgt	4800
tggtgtttga	tttttttttt	tttttttttt	tttttttcaa	aaacctgaga	tcagttctgt	4860
gttcttggaa	agctctcctt	ttccacagga	ggagtccctc	atggatcgcg	gtattgggtg	4920
gttgtgttga	tttggggagc	acgagggaga	gcaatgcagg	tgggaggtgt	gggggagcca	4980
gcctccccgc	ccggccgcac	gcccgtcact	gctcgtctga	cacactttgc	tgcgaggccg	5040
tgtcgtccag	gcccattgtc	tcctggcttg	ctctcctgca	gacaaccccg	agagtgtccg	5100
ccacagcctc	agccagacat	cgggtcatgaa	gctgcccctg	ctcgggtggca	tcagggggct	5160
cacatggctc	ggagaggtgc	ttccaaagag	aagagagaaa	cagtgaacag	ctcagcaaac	5220
gttcactacc	cacttctaac	tggcatcacc	cccatccgtg	ctgtgggagc	taaaggctag	5280

cgctgccata	tccttgaggt	caggttctaa	agtcagggtca	aatgatagag	ggccaggaca	5340
gtggcctctg	aggacaggat	gggcaactga	agcagcatct	gagacacagg	ggctctgcac	5400
gtgggccttt	ctggatgact	gcgctggaaa	gagcggccct	ggggggaagg	ggcatttgtg	5460
cgcttggtt	tctagctgta	gtcagtgta	cttcatgcac	acttagcccc	tgtcatgaat	5520
gctgagttct	agcaggcttg	accccagtag	aacacagagg	ccattgtatt	ctgggggcat	5580
gtggtcccta	cgacaattgt	ccatttttga	gagcaggaag	gagaatttga	cagaatccca	5640
gaactacacc	catagattgt	gactttaaca	cabatttggg	catggagaag	ggtgatactt	5700
tgtaactttt	tattgaggaa	ataaagaaaa	gggaggggaa	atgtattctt	ttagttatct	5760
aactaaggtc	aaactcctga	agtaaccacc	tctttcctct	tggccaggac	agcctggggg	5820
ttccaggaaa	gcccataaat	ctcccccttc	atgaaagggt	gcacccatgg	ctgcaatcct	5880
gtggctcctt	gtagggcggc	cggcccagcc	ttggcttccc	ctggcaggaa	ggtacttccc	5940
tggagagctg	tttcccatga	aggagagggg	gggtgacact	agaaatgttc	aggtgcagcc	6000
ccccgtctcc	acctgcaaat	aacctcacc	agaaccagag	gccaaagcc	tgcaactctg	6060
gtgcttgatg	gaaagcatga	gccattgtaa	ggaaaaacct	aacattcaaa	aggagtgggg	6120
gaactctcca	aaactgacc	atttttgct	tgcaccatc	gattttccct	gtctaccagg	6180
tcacatagga	gcactgtctg	gtatttattt	acttttttct	caactgaaga	gctcaagtat	6240
tcatttcata	tcagctgggt	tgggattctg	gacaagtaac	agcttatttg	ggtgaagtcc	6300
ttagaactct	ccttgtctag	tatttaaata	cctaaaagca	gtgggccatc	tcagcagctt	6360
taaagtcaaa	tcgattggct	gagaagcagt	gaagctctaa	ctccagcatt	gacaggtgtc	6420
ctttcctctc	cctcaggcca	gaatcatgtg	agaagagtcc	tgctgtgtga	atgggtggag	6480
ggcattctcc	gtcatgcccc	ggtgtatggc	agatggccac	agttctgcag	aacctctgta	6540
tccgttgact	cttttcagt	cctgcctggg	cattatcgtt	tacaggatat	ctgctctgta	6600
tcttgtctgc	tttcaagagc	agctaagcca	cttcgtgtct	aatcactgtc	ctttgtcact	6660
ctgggagccc	catagagaag	gggatggggg	tctgcaggca	gaagggtggg	aacgcaaggc	6720
aggtgccacg	ctcaggccag	gagcccggtc	caccatccca	gcctgtcctg	gtgagccctg	6780
cccagccct	tacccgagt	gcctggctgg	cagccctggc	tgagggggcc	atcacgatgt	6840
tgacgctgct	ggatgactgg	gtgtcactgg	tattgcccc	ctccgcagca	gagagtccgg	6900
aaatgacgag	cgcgctggaa	aagctcctct	tgccgaagag	gaagctcagg	gtggagctgg	6960
tggaggagcc	caggctggac	ctgatgagcg	cctcggcccg	ctcacggaca	ctcaggtggc	7020
caatgatatg						7029

```
<210> 8887
<211> 28215
<212> DNA
<213> Homo sapiens
```

<400>	8887						
ggcgccgggccc	tgcgacacgc	ggtggggcggg	tcctgagtcg	cgaacctggt	ccggacctga		60
cctgaattgc	gacccaacc	tggactgctc	ccctgaccgc	aacctctacc	cccgcccacc		120
agtatggccc	ggcacgtgtt	cctaaccggg	ccccaggta	accctgaggg	gatccccacc		180
tccaagaggt	cgaggggggt	ggggcgcgcg	ggctgcgggc	gaccttgtgc	tgtcggggag		240
ggtctccggc	tccagggtc	cggcctctga	agttcccaat	ttaaattggc	ggcttggtag		300
tctgaagagt	tgtactcct	tcccgaaaaa	cgtgatttaa	aagacacagg	gcctaaagga		360
ttagaacaca	cttgtgaggg	ggtcctagac	tggcttcttg	atgaagggcc	gaaaccgcag		420
gggccagcgg	cagcggtaac	tcctactgta	gtgttgacgt	tgtggtctgc	acaaatggta		480
tttcaagaga	tctgcggcaa	ccgcgatgtg	aagtggagat	gtctaatttc	tgttgatagt		540
cacagggtatt	tccttactgt	gggtctttgc	tacattgatc	gtgcaaaaaa	aaaatggtaa		600
attttagttg	gaggacagcg	aaactgaagt	tgtaaccttt	ctttcccatc	taagttcatc		660
ccccacccc	catccccc	tccatcccca	cgaattccct	ccacagtga	ggccagaggt		720
ggagaagctt	tggtagctac	aggagccctt	ctcagacct	cttgcctggt	ccgtgcgtg		780
tcccctctg	atgtctgtca	gatccctcaa	ccctgtggcc	tgtggagttc	tcacttgaga		840
agcaggatag	cgttgaggtc	agatgagagg	tgtaggagga	ggtgctttta	aaccaaggcg		900
ctaccatgt	atcaagcatt	actaaaaagg	acaggtaggc	tgcatacagat	aggctaaaaa		960
aagatagatg	ggctaagagt	ggagaaaagt	atttcttcag	ctcctttgca	aggcaaattct		1020
aattttgaag	tttagtgtgg	gttcagatat	caaaggctgt	aaccttggat	ctagaattct		1080
ctttcacttt	attttaaatga	ttatgttttag	ttgtaagtag	caaaggctac	agctaattatt		1140
gcagactttg	ggatttttgt	aggcattgga	tgggggagtt	ggggagcagg	gggtgaggag		1200
gaggagggtg	gttttagaaa	tgcctgtcat	ctaaagtcac	tcctaagtat	tgcaagaac		1260
tgttttctga	aagttgggtt	gtcaatcctt	tatttgaac	tgggaatgca	gtttgatact		1320
caqcaqqctg	acccaagac	aactgtgtgt	tttattaatg	gaggtgtcct	gttacctgta		1380

ttgtattgat	ggtgggttctt	gtttctgtctt	tatcaaagtc	ttacctacac	gtagttgaaa	1440	
gactcaaata	attctacagt	gtagctctct	taaacctgtc	ctcaaaccac	cgcacctttg	1500	
tcttttctcc	ttctcttctt	aatgtagtta	cagcgtaatt	ttcattagtc	aatgtttaca	1560	
gtatttatggc	catgtaaaga	caatcacaaac	agagccacat	agtaatctat	gattttctttt	1620	
ccattttat	at	ttttttttta	gagacaggat	cttgctttgt	caccagggt	ggagtgcagt	1680
gaaacagtta	tagctcactg	cattctcaaa	ctcctgggct	taagtgatcc	tcccacttca	1740	
acctcctgaa	tagctggatc	tacaagcgca	tgccaccaca	cccggttatt	tttttttttt	1800	
tgtagagacc	tgtctcttgt	tatgttgccc	aggctgatct	ccaactccta	gcctcaagtg	1860	
atcctcccat	ctgggcctcc	caaaataactg	ggattataag	tgtgagccac	cttaccatc	1920	
ttttttttcc	ctcttcttat	tgagacaggg	cctctctctg	ttgcccagg	tggagtgcag	1980	
tggcacaatc	ttggctcact	gcaacctcca	ccttccaggc	tcaaaccatc	ttcccacctc	2040	
agcctcccta	gtagctagta	ctacaggcat	gcaccaccat	gccctcta	tttttttttt	2100	
tcctttttaca	cataactttt	ttccccatta	ggagttattg	tcagggtgtt	ttatttgcct	2160	
agttttcttc	tgttttctca	atatgttcag	accatcagg	aaagtctcct	ctcaaaggag	2220	
tcactttttg	ttgcatatcc	tcttagtgcc	cctggcactt	agcatttttt	ccgattttcca	2280	
actgtctgta	cccatgactc	atccttgagg	gctttctctg	gtccctggag	cccacttggc	2340	
ctgcaaacag	agcaggccag	aagagccagg	gaattcctgt	gccctgggat	tagccttcaa	2400	
cctgtgattg	gtgaaagtta	gttgataaat	tccctacttt	ctcactcctc	agacaggata	2460	
actgagccac	ttgccctgac	ttgtccctta	ggattcccca	gggggttgaa	gctccagctg	2520	
ccccagtg	aacttgcttg	acagtgcacc	tcattgctgg	gtccttccct	tccctttctg	2580	
aatttcttcc	ctggcagtc	atcatgttgt	cactggccag	gttaaactac	ctgcacttga	2640	
atctttatct	gaggtatctg	ttaggggaga	accagaacca	aaataattcc	agagctttct	2700	
gatctgtttg	tgccctggat	acagctatca	tctcgaggtc	tctgaagca	gaggtcattt	2760	
cttatccaga	cagcattggg	gtagcagctt	aactaatgaa	gaaaaaatta	actgaaagaa	2820	
gattcctaga	gctgaagaag	ccaaaaggga	ctttgcccaa	atgcttccca	tttattgctc	2880	
tactatgttc	tacacaacat	acagtcacca	cagtataccc	tttgtgaaca	ggaatagtta	2940	
ccgttgctcc	at	tttcaaaata	taaacggcaa	ttttgttag	gataagagta	3000	
agacccattc	agtataagaa	ttaaaaaa	caagaaaagt	ttaaggaaga	aagtgacaat	3060	
cacagggat	ttgaacatca	gaaatcaaca	ttgtaaatct	ttgttctgta	ttcttcttga	3120	
cat	ttctgtagac	acgtacttga	ccattcttta	aaaaaaacat	aatggaatgg	3180	
ttctgtctat	taacctgctt	tttccatata	ttattttcat	acattgtgg	ctattttcca	3240	
tgctaataaa	tacatataag	cagtataatt	tttaattggt	gcatgggtatt	tctgtgtatt	3300	
tatgtgctat	tatatacatg	gtgccatgag	ttaacattcc	cttacaatca	acatttaggt	3360	
tgttttcagt	gttttgctat	tataaagaat	gttgcatgta	atgtcctctt	tcacacattt	3420	
gtattgttga	tgtttcctga	ggatgaattc	ctagtcatga	actacagggt	gctgtggcag	3480	
gcgcattgaa	attgcccttc	agaaaagaag	tagcagctta	cacattcggc	aatgccatta	3540	
cttgcatgaa	acagattctt	tagtgacttt	cctaaagcag	ttgttactga	tggccagggt	3600	
tggattagaa	tgtcatcatt	ttatgttcta	cacagttcta	ccagctgcat	gctcactgtg	3660	
gcttactgta	gccagaatcc	gtttgtgttg	ctgttcatgt	tccagaaagc	caggtgccat	3720	
tattttaatg	tgaagtgtga	agatagatac	attaaataag	aataatggat	catattttat	3780	
gtcaaggagg	cttaaaagag	tgggtagtct	tagaaatagc	atgatttgca	actctgtagt	3840	
atctcaaaat	agctcacttg	cagacatgct	aggagttttc	tctctctttc	cattgttggg	3900	
tagtcatgat	gccacttact	taaatccata	ttgggaacaa	ggctcatatt	ttaaaaagtc	3960	
atggtgacag	gtaaagtccc	ctgttgaaag	gtatggacct	tatgaggggt	atagccttgg	4020	
gtaaaatacc	taaccacat	gtacctcagt	ttctccatct	gtaaaatatg	cataaggatg	4080	
gtaattgcct	cagaggatgg	ttgtgaggac	ttaaccaaga	aaatgcttcc	aaagtgtgct	4140	
agaacagtgt	ctggctccat	gacgtcagtg	atgagtatta	ctatattagg	tagcacctgt	4200	
tggtgcttac	aaaccagtga	gttcacaga	gtagtcagct	gaccaggctg	gatggacagg	4260	
aaggatcaag	gtggggaggc	tgagggggca	gaggtacata	ggttcaaact	ggggaagggt	4320	
tgggggataa	aggtgaagaa	atgcttagag	accctggaga	agatgatgtt	ggaaggaggt	4380	
gctaacctga	taggcttgct	gttatgaaaa	agtttgaaag	tgaccattaa	cagggatgct	4440	
aatgatattt	aagagacaca	ttttcaggag	ttacaacaat	gtaagtcaaa	ggaggaacaa	4500	
agtgat	ccactgttaa	gtgtaggtcc	gtttgtaatc	tcttgaaagc	tgaaatctta	4560	
aattcccagc	ccctgactca	agtgtgacca	gtgttacttc	ctgggcagaa	aaatgggaac	4620	
tgtaaacat	ttcacaggat	gcaaatggca	tgggagaata	tcatcaggaa	cctctcagtt	4680	
gattctggga	ttgtgtacgt	gacaaaatta	acaattgttc	acaatttaaa	aataaacctc	4740	
aagatatcat	tcgtgttttt	attatgcttg	ttctacttg	aaattaaagca	tttttagcac	4800	
ctggagcaat	caaaattaaa	ttgaagttca	tattcataaa	tccattttaca	gccattttct	4860	
ctaccaccca	taattgctgc	ctcagagtcc	acaagtgtg	tgtgtgctct	agtaagggaa	4920	
tgtttcctaa	tgggcttttc	ttcttttttt	tttttttttt	ttatttttag	agttggaaaa	4980	
acaacattga	tccataaagc	cagtgaggtt	ttaaaatcct	ctggtgtgcc	tgttgatgga	5040	

ttttataccg	aagaagtcag	acagggaggg	agaagaatag	gattcagatgt	cgtcacgttg	5100
tccggcacc	gggggccttt	atcgagagtt	gggtactgat	atttcatttc	tgtggtgttc	5160
tattatctaa	gctccccttc	catctgtgct	ttgggagctt	ttcaacaaga	gctaaattca	5220
ccaaaagcag	atactctgtt	gggtccttgg	atgccatctc	gctttccctt	taggttgaga	5280
gtgtctccct	gggcacaggg	ttgagccaaa	tgttgtcatc	tatcctcaag	aatccttaggc	5340
ctttagggat	ttctcagaga	aagaaaacag	aatgaaacca	tcacatgaaa	aaagtataag	5400
aaagtgatat	tttacttaaa	acttggtcac	caagtcataa	actcctctca	ctttataatt	5460
cttagtcctg	tttctggtgc	cacttttcaa	agactgttga	tgcagtagct	gcttggacct	5520
taagagatag	ccctgccata	actgcaagge	ccattgttgg	aggtgtggac	actttgaaca	5580
gggtagctct	gttcaaagca	gagaaaacct	gatcagcttt	acagaccacc	gcatttttgtg	5640
ttggtcattt	ttaaggatga	tttagcatat	gtggaatgcc	agaggctcag	tggagcagct	5700
aaaaaccaga	aatcaatata	ggagtttttc	aacaaagaac	ataatgtctt	ttccttcagg	5760
ttagagcctc	cacctggaaa	acgtgaatgc	cgagttgggc	agtatgtggt	cgacctgact	5820
tcttttgagc	agttggcact	acccgtcttg	aggaatgtga	gtacgtgatt	tctgcttttt	5880
gaacccatct	gctcttagtg	tattgtggga	attgctagcc	atggaaacag	aatgcctttt	5940
gctcttaaa	gccccagttt	tgcattttac	aattgaaaag	attgagtctt	aataaggata	6000
aacaacataa	tttgctatca	ctctgagcta	cagataaatt	cctataaatt	cagtacatat	6060
aaatatttta	ttttggaaa	gctcttgatg	cccaggtacc	aacattccca	aagataagtc	6120
tttctctgtg	cttctcacag	tcagtcttta	acctgggttc	acagcacaac	aaacatttag	6180
gaagagaaaa	tgctcattata	tgaacataat	agccagttgt	tattgaatgc	ctaccaagta	6240
ctgtaagcag	ttaacgtatt	atattattat	attacccttt	ttaaaaaaga	aaaaaacttt	6300
attgacatct	tacggcttct	ttctttctac	tttgaatgcc	ttttatttca	tttgcttgcc	6360
taattaccct	ggctagaacc	tccagtcctc	cattgaataa	aagtgggtgag	agtagacatc	6420
cttatcttat	tctaatctt	agaaagaaag	tatttagtct	ttcaccatta	tgtatgatgt	6480
taactgtgtc	ttatttgtat	agagtttact	caggcgtatt	ttgttgagga	tttctgcac	6540
tttattcaca	aaagatatgg	tctgtagctt	tcttttcttg	ggatattggt	gttttagttt	6600
ggtatcaggt	taatactggt	ctaataagag	taggaagtgt	ttccttcttt	tctaattttt	6660
ggaagagttt	gtgaatgatt	cgtattaatt	tttctttgaa	taattgatag	aattcactag	6720
agaagccatg	tgggctaggt	ttttcttggt	gagaagcttt	taaattacca	attaaatctc	6780
tccttatag	tctgttgatt	ttgtattttt	ttgttgatc	agttgtggta	atttgtacct	6840
tttagtaatt	tgtccatttc	atctgaagta	tctaagttat	tggcatatag	ttgttcacatg	6900
attcacccat	aatgcttttt	attttgtgaa	attgggtgata	ttgtcacttc	tttctttatt	6960
ttagttat	aaatcttctc	tttttctctt	ggtcagtcct	aaagtttgct	aatttagatg	7020
atcttttcaa	agaaccagct	tttgttttat	tgattatgta	gttttatgta	tctatttatc	7080
agatatttat	caagtactgc	atatacagtc	atgaacaaaa	cagacatggt	tctactcttt	7140
caaaaactgt	agtctagtgg	gaaaggtaga	cactaagtaa	atttataact	gtcatgggtca	7200
ttaatgctgt	gaaagaaaag	aacagggtgc	tatgaaaggg	agggacagga	agaactgact	7260
ttagaccaag	ggaccaggaa	agagttctgg	gaagatgaca	tttaaacaga	aagggaacagg	7320
tgagagggca	ttggggagag	agagtttagta	ttgggggtatt	tgtatgtgtc	aggggtggga	7380
ggtctgggga	gaatatctta	aatggcagga	acagatacat	tcagacctca	gagccctgga	7440
gcaggagcag	gtgaagaagg	taagtttggt	gaggtggggg	gccatgagat	gcagggtctc	7500
gtggaccatg	ttaaggaatg	tgagtgtcat	ttaatctatt	acagacttac	tactttgatt	7560
tgtgaaaatt	aaatgatata	gacctgtctc	aaaaaccaac	tataaactat	ccagagtttt	7620
ctatggcacc	agaataaaag	tccaaagtcc	ttccagtggc	ctagaaggcc	ctgtagccct	7680
gtgatatctg	gccttactaa	cctctgacct	catcttgcca	ttcttcagcc	acactgggtc	7740
aatcagactt	cccacatatg	ccaggctgag	gcccttgcca	cttgccattt	tttttggtga	7800
gcacgtgtc	ttcatagatc	tttgccctctc	tgtccttga	cattcagagc	tcagctgaag	7860
tatgtagtgg	tgggtgcccc	aaggctgctg	aagatttttag	ctatagcctc	tgaggatata	7920
ctctaattctc	agagggctgg	tggatatctta	tggctctgtt	cagcaggggg	ttgtgcttct	7980
tggaaaccac	caagttctcc	ttttcttctt	acgctgtgtt	tcctcctccc	acctccttct	8040
tccccaattc	cttctctctg	gaacttaccc	tcagttcctg	tgtctggggac	tctcgtggcc	8100
actgtgtttt	gcggggagcag	agaacatggt	acttttcttt	ttagctgttt	tcccgtcaca	8160
tacattcctc	tctacttaaa	tgttcaaaa	tcaagtga	tacttcaaat	gaaattccaa	8220
gtgaagattc	tgggttttagg	aactgactgg	gtcaatacaa	agaatttttt	acttaccctg	8280
ctcagacaga	gtagaccaaa	tcctggggag	agagtttgca	caggtgttta	gtgtctagat	8340
gcaagattat	ataagagatc	atatgctgac	cagatcagag	cataaatctg	ttttttaatt	8400
aaaaataaaa	gaaatacaga	cttctcccaa	cattttgtat	tctgattgcc	aaatgcagac	8460
atgtacattc	catgtagaaa	aagttcctgg	caggggattt	gatattgatt	ggctctgtgt	8520
ccccacccaa	atctcatctt	gaattgta	ccccatgtgt	ggaggagag	acctgaaggg	8580
aggtgattgg	atcatggggg	tgggttcccc	catgctgttc	tcccgatagt	gagggagttc	8640
tcatgagatc	cagtggtttc	aaaagtggca	gtttccctgt	cactctctct	ctcccgccgc	8700

cacgtgaaga	atataccttgc	ttcccttctg	ccttccacca	tgatttgtaag	tttccctgagg	8760
cctccccaac	aatgcggaac	tgtgagtcac	ttacacctct	tttgttttata	aattatccag	8820
tctcaggtag	ttatagcagt	gtgaaaatgg	actaatatag	gattctcacc	cagtcagggt	8880
catggatttc	ttttctggag	cagaaatttt	tctcccatac	tacataattt	atgggaatga	8940
agaaaggaga	aggaactagt	gttttgtctt	tatactaaag	aaaaaaatga	aaagaatatt	9000
aattaaaata	attaggcaac	aaaactgggg	agtataaaca	caccattttt	gatactggca	9060
atgaaaacaa	ccaagtaaac	tggaagtgtt	agaaaccctt	tataaaggga	cacagtatta	9120
gttcatagtg	ctgggatcta	tgaaaacaca	aattccgata	ataagaaata	tccattgtgt	9180
gtaagaaatt	tcaatatgta	tgagtgaag	atagtttgag	ggttgtatgt	atgtgtgtgt	9240
gtgtgtttta	atactacaaa	aaaataagaa	aaaagtactt	ctctaattag	gccaaagcagg	9300
gctatgccta	tttgcagggt	gggaagtaag	gatgtggctg	ggactgggtg	cagcggctca	9360
tgtctgtaac	cccagctctt	tgggagtcct	agggtgagtgg	ataacttcag	gccaggagtt	9420
tgagaccagg	ctggccaata	tggtgaaacc	cagtatctac	taaaaacaaa	aacaaaaatt	9480
agctgggtat	ggtggcacat	gcccgtgtcc	caggtaactca	ggaggctgaa	gcaggagaat	9540
cgcttgaacc	caggaagcag	agggtggcagt	gagctaagat	ggcaccattg	cattccagcc	9600
tgggtgacag	agcaagactc	catctcaaaa	aaaaaaaaaa	aaaaaaaaaa	agtggccggg	9660
agctgaagag	cagctccagg	agaggctcag	gagggccagg	cacaaccag	gttcaccttg	9720
caaaactgct	ctggttatgt	ttcttgtttc	tttttctttt	cctttttttt	ttttgagaca	9780
gagtcttgct	ctgtcagcca	ggctagagtg	cagtggcgcc	atctcagctc	actgcaactt	9840
ccacctccag	ggttcaagcg	attcttgtgc	ctcagcctcc	cgagtagctg	ggattacagg	9900
tgcctgccac	cgcacctggc	taatttttgt	attttttagta	gagacggggg	ttcaccatca	9960
tggctcaggct	ggtctcgaac	tcctgacctc	gtgatccacc	caccttgccc	tcccaaagtg	10020
ctgggattac	aggcgtgaac	cactgtgcct	agcctgggta	cgtttcttta	ggcaggaaatg	10080
gagcctgagc	atcgtggctg	ctcgtgagaa	ataaagaaaa	atagagtgtg	tgtggtaagt	10140
gttctagact	caggaaggtt	tttggaagc	ctctagtagg	gttgactgtt	aatttttttc	10200
attccatgag	ttaactcttt	ccttatttgt	caacatttgt	tattttcctg	agtattcaag	10260
ttctagatat	tcatggttaa	aaaaattata	aaaaatgtaa	aataaaaaata	aaaaacacaa	10320
tgtgaataac	tcataatctt	atcactaagt	tagccaatgt	tagcttattt	tgtttctgcc	10380
ccttttgtat	acctggttta	tttattcagt	cattcaggat	cagggaaaaat	gttatgtata	10440
gtttcatagg	cttgggtgtg	ttcccttaat	atgattgagg	gacatgggaa	tgggtctcaca	10500
acatgctaatt	cttcaaaagt	gggagatttt	agtggtttca	tcctattttca	tggtagagt	10560
tttcatcttt	gatttaacta	ttactccctc	agtgttgagc	attcagggtt	cgtatcacca	10620
ttgtaagtaa	ccttgcaaca	aagcaccctt	tatacatgaa	tctttttctc	tagccatgat	10680
tgtttccctg	gggaggggtc	aaaagggtgaa	gtctgagatg	gtgggggtgtg	aaccttcaag	10740
gtcttgatgg	tgctgcgttg	actttgtgtc	ccactgccag	ggtgtgagtg	tgcttgtctt	10800
gctgcgctgt	gccagccctg	agcactctac	ttattttcaa	cacactgctt	tgttttgatt	10860
tgcatttttc	agttactaat	ggggttaaat	gtttttcagt	tgttcattaa	gttttcctta	10920
attttagttg	ttcatccatt	gctcttccca	tttattttct	ttgggcttaa	atagatgttt	10980
tataaagcag	atagcccttt	tatatatttg	attctgtttt	tctcagttta	gcacttcaat	11040
ttgggtgatta	ttttcccttc	aaggtagaga	aaagtctgtc	cctatttcaa	atttatataa	11100
aattttacct	atataatctt	tcttctgcat	gcttttttta	aacattttatg	ttttcaattc	11160
atttggatta	tgttgagtgt	aatatgctat	gagattctca	gctgattttc	ttccagatat	11220
ttagccagtt	tactaaaact	gtttgttaaa	taaccatttt	ctaattagtt	ttttatgctt	11280
aattaattat	attaaaacta	tgtgtgcttg	tatgtatagt	gtttcagagt	tatctgttct	11340
cttccattga	tctgtttgat	ccttgcacat	gtaccatagt	attttaatta	ccatggtaat	11400
cgtttttatt	tttcttcttc	aaaaaatggc	cttgttcaga	aactgtagta	atgggtggcac	11460
ttgtaatatg	aaactattat	tgagtgcgaa	ctacgtgcca	ggcatgaact	cacttaatcc	11520
tcagaacact	atcactctat	tcctattttt	cagatgagga	aactgaggca	tagaatggaa	11580
agttacttgc	ccaggggacac	actaattgtg	taagtggtag	agctggagtg	aactatagaa	11640
tcaagacttt	actatccatt	aaaaaaaaatg	tcttatatgg	agtgattggg	actatagtta	11700
ttttgacata	aagggtgtct	taattttttca	gataatctta	attctccaca	gccccaaaaca	11760
tgtttctctt	tctccatctg	tttcttttaa	atttttattg	gtgaggttat	tcatagggct	11820
ctcctatttt	ctgggtgtac	tgggaattagg	attgtttttt	ctgttttcta	atgatcaagg	11880
ctgataagat	aatgctggcc	tttttcataa	tggccttttt	gatagctacc	ctcaatgctt	11940
tattaaaatt	tgatgcaatg	taagatgtaa	cattttattg	attttcaaca	tatctcctac	12000
tcacacaaaa	tggagacaat	agattataat	gttttaaagg	acaaaggaca	tctactcaaa	12060
gccctgtttt	ccagggtgaac	agtgtcattt	tttacaagaa	tctgtgaaag	gaagagtaag	12120
ctaaaatcag	aacaccaggg	gaaaaccaac	atagtttgaa	ccttgtattt	tcctgttttg	12180
attaaaataa	gtcttttaag	tatatattgt	tttgagagca	ggatctactt	ttggttctga	12240
aataggctct	gctttggaaa	atcttagaaa	cttcctttga	aggtagagag	actcctgtct	12300
agggaaaagt	attttgtttt	tgttttttta	gactcgacct	ggaagtgttc	cttaggtcac	12360

tctcaggcca	cttggccttta	gaaagaatgt	agaaaaacca	agttctagtc	aggatccatt	12420
cttgaaagat	tgacaagctc	ctcagcattg	ctagaatttc	tgtcattgct	gtagcaaat	12480
gtggcatttg	attcttttgt	ctctctcagc	tctctgttct	ctacctcatg	tattacaagt	12540
atgtaatgca	ggatcagcca	gggaaattaa	aagctatctg	gcgcaaacag	aaaatcagtt	12600
tttaaactgt	cagtaaggac	attcctgcag	tgaatcagca	taagaaaatg	agggtgaaaat	12660
tcagcatgag	gttgactctg	cagttcattt	tgcaagattt	gtcatggcaa	atcttcataa	12720
tttctattga	gcagagactg	agactttatt	atttctgatt	gttggcgaga	ttctgtggat	12780
ttagatgcta	agcaggcttt	tgccttggtt	tatgacacct	tcattgtctt	cttcttgag	12840
tccactctca	agaaacacag	aaaagttgca	tgctccttaa	gtcacacgct	ccttaagctg	12900
gactgggggt	gagtttgtat	aaactgttgc	cgtttttctt	tttccctctc	actttgtccc	12960
atttccagca	tttccctctg	tctcgccctc	cgtgcgtatc	agtctaaaac	cacactccat	13020
taggaggaag	ttcatacggg	gtgagttggt	tgttttcttg	agtctgggtac	tgagaaaagta	13080
catacgtgtg	tgttttcttt	ttttgacaat	ttttttaact	tcatttggtat	aaaattttac	13140
tcttagagaa	agttataagt	gtaagaatag	tgcaagaaca	cctgtatact	ctcattatcc	13200
agagtcacct	atgtttatca	tttgccttgt	ttgcttatct	tctctctctg	tgtgtgtgtg	13260
tgtgtgtgtg	tgtgtgtgtg	tttgtgtgtg	tgtataaata	tataagctgg	aaggggggtga	13320
ctatttgaga	atacgttgca	atcatcaagg	tactttactc	ctaaatgttc	agtataatctt	13380
tcctaaaaat	aaggatatgc	ttttacataa	tcaatacagt	tatcaacctc	tgtaaatctt	13440
acattgaaaa	aatactttta	tctatcgtaa	gtgttctagt	ttcatcagtt	gacaatatct	13500
tttgaacat	ttcttttctt	ccagatgtta	cacttagttg	tcacatctcc	atagcctccg	13560
ttaatttgga	acattttccac	agtcattctt	tgtcttccag	gacattgaca	tttgtaagaa	13620
atatagttcc	aattttaaa	aacgtttcat	ttttggagtt	tttctgatgt	ttcctcatga	13680
ccaaataaag	ctggaatact	ccataagtca	taagtgatga	tgcatccttc	tcgagtatct	13740
catctggagg	tgtgtgatgt	ttagtgatat	taattttgat	tacctgatca	aggacttgct	13800
ctattttctc	actgtatagt	tactattttt	ttctttgaca	ctaataagca	gtgagtgggg	13860
agatagtgtg	agaccatgca	catcctcctc	atcagatttc	ccctagccaa	ttctaatttt	13920
atctaaactt	tattagatca	tcttaagata	aaaataatct	tctcttgagg	ccttaattgg	13980
caagcagatt	taactactct	cttttgaaat	tgtttctcta	gcaaggtgag	cagtaattaa	14040
caaacataaa	attactatac	attgaagctg	cactaaaaaa	aatgccataa	tggttaagct	14100
tttttccact	ctaagctgtg	cttctctcta	tttgtatccg	gttacctccc	cattagaaaa	14160
gccatcacca	ttttattata	ggaaaaacaa	tcagttcttt	ctcctcaggc	agtttctaat	14220
gaaaacggta	tcaggatatca	gagatactaa	acattttacca	aaagcttaaa	tattgatgaa	14280
aatttttact	aagcaagtga	aatttttttt	aattttgggtt	ttgtaaacac	tggcaggaag	14340
gtggacatat	caggatacct	ggtcataact	cttccaccgt	cttctcgggg	tgtgctcctg	14400
gtagaggaga	gaagtccttt	tactttatca	tatctgccta	ctgcagtggg	ccattcgcta	14460
tccatacttg	atgaaataat	tttggtgata	ttattctcag	acccaaaata	tgagttatct	14520
tcgagtaatt	tagagcaata	tgattactcc	aaataaattg	agggttttgt	cctatgcctc	14580
catagatccc	taaacaccag	agtgcatttc	gttcttattg	gagaggaaag	cagtttcttc	14640
gtgggttaggt	cagtttccta	gatgcatttc	tttatttcag	aatcaaagtg	tggaggcgta	14700
ttgcacacag	ggtgtggaag	agagctttga	agtcagggtg	tctctgggtt	gactccagct	14760
ctgtcactgt	gctctcagtg	agttttgagt	aaatccctta	atgcctaatt	tcctttcctc	14820
atctgtgaaa	cagatgctgt	tacctgctat	gtgaagttgc	tgggaggact	gaatgtaatg	14880
cttgtaaagt	gccttgccc	ctggctccta	ggaggtgctc	agcagagcaa	tagcagtgat	14940
tattttcttg	agaagttaat	tgaggtgggt	gatggcagta	ccttgagagg	agcctccctt	15000
cacaatttggt	tttggtgttg	ccagggagct	gggggtccgga	gtgggatagt	aatctgtcat	15060
ggagtcccag	gagcccaaat	gtgcaggcca	gtcccaagtg	ctcagagcat	gaggaggacg	15120
aggagtactg	ggctctccgt	ctcactggac	tgactgtcag	ccaggagggtg	ttgtttcagt	15180
cccaagatag	cttggaanaa	cccatggcta	ccattcaagc	gctcttcagt	cgggtgacca	15240
tgtgggtgag	cccctgtgag	tcccgaagg	ccatttagga	catccaggaa	gagcctcaga	15300
gctagtctgt	ctgtgtgccc	gggtgaggat	ctctggcatg	tccgggggag	cagcttctgc	15360
ccggagtatt	cttgactggg	gaagggccgg	gttaccaggc	gccatcgggc	agtctagaca	15420
ccttgctcctg	gctatgccct	ggagactcac	agtccatatg	ccaccagaca	gcaaagggat	15480
tatgagactt	gaaggcttg	aataaacaca	cataaaatat	gaccggagcc	ctgcattttt	15540
agctaataac	ttcagtggtt	gaggaattgt	gggctggctc	agagatggct	gctgttagca	15600
ccatttgcct	ttctgcttcc	ctagaacttg	ctgctgtttg	gcgaagggtc	gcagttttgc	15660
tgccctaact	ctgagagaca	ctccttattc	actttcatga	ctttccatac	ttgctgtccc	15720
agggtgggtaa	gctcaggagc	tagtctgtgt	gtctgatatt	aaaataaaaac	aatccaaaca	15780
gtcctcctaa	aattaacatt	aataaccactg	gaaacattta	ttatgcaaat	aattcagaat	15840
aaggcaaaga	ccacttggat	tagcttgctc	tcagtttgat	attttggtta	aatgaaatta	15900
tttttatattt	atatgttctt	tgtatttttt	aaagtacata	taaaaataaa	ggacccaaaa	15960
aaatcacact	attttcaggt	ctctgatata	actggtacga	agatatttgt	tgttctaate	16020



tttctggaaa	gcaaactag	tgagtgtaac	caaagttata	aaattattcg	tagctttctt	16080
tatccctggc	tggtcaattt	taggactcta	tctaaggaaa	tatctttctt	cccggaacag	16140
ggaaactaaa	agtgcgcttc	atggctgaac	atctataatc	agctgaagt	gaagcctgtg	16200
aggggtgtgg	ccaggaaggc	tagtgtgtta	cataggactg	aggtgtggca	ctaggaagca	16260
atgctgcctg	ggttgttctc	tgaggagagg	ctgtgagggg	aggaaagggg	gctccccagt	16320
tggtgtgtac	acccagatg	gtgtgtacat	cgtgattctg	accacgtggc	tgagagccac	16380
ctacagtttt	tacacactcc	ttactccagc	agctgtagg	ggagtttctc	tgggagctca	16440
ttaggactct	cctcacactg	gggggtgggg	aggggttctt	gaccatcttc	aaacctgggc	16500
ccctattgtt	ctaagtctgt	gtctctatca	atctagaaca	atgtaaaggg	ggtgaatgtt	16560
tgtttactta	cttatttctt	tgtttccctc	taaagttgct	tgaatttata	tagaaataaa	16620
accatgttac	acgttatagt	ggttcttttt	ttaagacctt	gagtgtatga	tcttgtacta	16680
tttagaaaag	caggctgagt	gtctacatgc	ttcagagtgg	ctcagcagct	gacatctttc	16740
tctcaactga	atatgaataa	cttgcatctt	taattaaaaa	tcacagattt	atcttttgaga	16800
ttcctgaagt	tcttggtatta	taaaattccc	caattctgga	cagattgagg	atctttatgta	16860
agctaagggt	ttaaaatgag	gattttccaat	tggtagaaag	taatgtatac	atgtgtgtcc	16920
aaattctttt	gtgctgaaac	ttaaataaat	gttgatgagc	tttactggg	gaatgttcta	16980
gaggattgca	ggaaggctgg	ttgttgaaga	gccacacact	ttctacctgt	acgtgtgtat	17040
ttacacatgg	ccacgtgcat	tttactaccc	tcatgtatat	agtcaaataa	atacatgtgc	17100
atgtgtacac	acattctttc	atatcacttc	ttgtctgatt	tggcaccttc	caaaactcat	17160
tttgaggtgc	cagaataagt	tttatttttg	cttttagatg	acagcctcca	gaggaatggc	17220
atccacaatt	actcttcgtc	tctgggggca	gcaaaatgtc	cacagcactt	gggaacagtc	17280
gggtcagttg	gagtggcatg	ccccaggaa	gacagaaacc	ttcttgtaca	gttgtctgtt	17340
tttattatca	tagacaggtg	gttgatagct	gttttatttc	tcccaaataa	ggctttcgtt	17400
ttggaggaaa	aacttggaat	aagtagtgac	ttacttcata	gatgctctgc	ccttctcccc	17460
gacccacca	gtggagggtg	acattgctcc	ttcagctccc	cacttctcag	ctctgggaca	17520
tcggtgagtt	ccccaggaag	gatgcggacg	aggacaacca	tgtacctgcc	ctaagtgggg	17580
agaccaggcg	tgtgtacaga	taaacttaat	agagaggcaa	aaatgaagca	tgtcagaaac	17640
acagaagtgc	ggagattgtt	cagacctctc	ttgggtgatt	acagtggact	ccttattgat	17700
cttttagcta	ataaaatgaa	tggaaaaata	tttcataagt	gtacaatatg	cagtaggaaa	17760
atagagtact	gtttacttaa	aagtctgaaa	aacactgctg	tactgcttcc	gtgcaatcac	17820
aactgggggt	tagacacca	ctatcttatt	ttgtctattc	caaaaggagt	ctaacttttg	17880
tttctgactc	cacagccagc	agtctttcta	gcacaacttg	tgatcctccc	tggattagac	17940
tctttcggct	gtggggagaag	attcccacct	ctgtgtgtgc	cttcgaaggc	ctttaggatc	18000
tgggcccgc	gccccgtctg	tactggctg	cccctgggtg	ccactgatcc	ctaccaccag	18060
ccacactgta	ccatatgctg	ctttggcttt	tgggaattga	acaaaatcta	gcttaactca	18120
gacatgccct	ctaggactat	attgctgtca	tcatttaagg	aatcagaact	gtagtgaaga	18180
atactttgta	aatcagcttt	acatacagtt	ttcaaaataa	tcatgtatac	aaacatatat	18240
aagggtgtatt	tgatcattac	cattcattga	agtgtttatt	acatgttctg	ttttgtccct	18300
cccaggggaag	aatcaacca	agtcctgtca	gccttcccca	ggaaggcttt	ctatagagga	18360
catgtgtgtt	agttatatgt	tgctatggaa	caagttatct	caaaatttag	cagcttaaaa	18420
caacaaacac	attattgtac	acagtatctg	aggatcagga	atccagggtac	agcttagctg	18480
gggttctgag	gttgacgtca	agctgttggc	tggggctgtg	gtcatctgag	gcttgccctg	18540
gagggccctg	cctctaagct	tgctcatgtg	gttgctggca	ggttcatttc	ctcttggctg	18600
ttggcatgag	gcctcagtg	ctcaccacgt	ggacctcacc	gtcagctgcc	tgagtatcct	18660
cacagcatag	cacttctctt	ccccagaggt	gagtgattcg	agagagggga	tccaagacag	18720
agatcaagct	ttatatattat	atacaaccag	aaaataagtg	gcacccaaat	acctcaggct	18780
taaaaaaagt	gagacagcaa	gcatgggagc	ctttgttgat	aataatggcc	tcttttttcc	18840
atcttgagcc	atatgagatt	ccctacgtgc	tgggggggag	ataactgctc	taggtagatg	18900
tttgtgtatt	tcatgatctg	gtccataagc	gttgttggaa	aaaagtgaag	attaaaagga	18960
aacaagtctt	ggctaaagg	gaaaaaaaag	taagtacaat	tgcacccctt	agatctcaga	19020
ttctctttct	catgacttta	ttccaattta	tgtccgttac	ttccttgaac	atcccactgg	19080
tgacaggcat	agctgccagc	ttccaagagt	cctaattgatt	cccagctcct	gggactcacc	19140
cttgtgcagt	ccctccacac	acagtaccag	cgggtggtctg	tgggatgctg	tcactttttg	19200
aaatccagta	aaaagggttt	tgtctttttt	acctcattgg	tgagtgattg	gggagtgagg	19260
cccatggggc	ctttgattaa	tgtgactctg	atgtcccagt	gaaagtcttt	gtcattctca	19320
ggccgactgc	agcagtggcc	cagggcaag	agtgtgcgtc	atcgatgaga	ttgggaagat	19380
ggagctcttc	agtcagcttt	tcattcaagc	tgttcgtcag	acgctgtcta	ccccaggac	19440
tataatcctt	ggcacatcc	cagttccctaa	aggaaagcca	ctggctcttg	tagaagaaat	19500
cagaaacaga	aaggatgtga	aggtgtttta	tgtgagtaca	gccagtcctc	cataatcagt	19560
ggaaatggag	cagatgatct	aaaatagcag	atggctctaa	aatatctctt	tgggttttgag	19620
ttaacatttt	ttcccttcca	tgctgaaatg	taggtgagtc	taattttcta	gaaatgtata	19680



gaacttaa	tataacct	cttgatga	aaacaaact	gcttatggg	gggcctcctg	19740
acggcccc	ttgttctgg	tgctttttt	ttccatctcc	tcaccagaca	ctaggacctc	19800
tctggcatc	gaattgcctg	agctaagggtg	cttgttctaa	gcttatctct	tctcagattg	19860
aaagggcgcc	ggttgggata	cagaggcaaa	tattttttgt	tttgttttta	agatttcctc	19920
tttaaagctg	accacttgt	gcttggtggg	agaagaggct	gtggatgtgt	tgggagacac	19980
agcttccagg	tgctgaagag	cagcacctgc	cagttgaact	tcccagtagt	gaggggaaatg	20040
tgctctctgc	attgctcaga	acagtagcga	ctagccacat	ctcgctattt	atgtttaata	20100
aatttaatac	tatttaaa	gaattattta	tttaatacaca	taaataatca	aatttaaa	20160
gaattaaaca	tttggtattc	cagtcacact	ggccacatct	gaggtgctct	gtggtctcgt	20220
gtggctgcta	cttgcactag	tgcatctgta	ggatgtgcc	ctcagtgta	gtgctgcaga	20280
atggcagcat	gggcatcacc	tgggagtggg	ccttgccctg	gtccaaggag	tcaaactctg	20340
ggggatggcc	ccatgatctg	ttctggcaag	ttctcatgtg	gttttttaggt	ccccgcact	20400
ttgagaagca	ctgctgtaga	ccacatgtga	gagatgaggg	gctagggctt	gttgaccagt	20460
ggcagcgtct	gagccagtcg	gaagggactc	atggcattgc	tggcactttg	tctaaattct	20520
tgcttttctt	tccctgttgt	ccctctgttt	tcctctcagt	cagatattgc	ttctcccaa	20580
ccctaccct	tagttttctt	gagtcagtg	tagctgtgct	cttggtctgag	ctctgtctac	20640
acacctca	ccccacccc	agtttaaa	ctccctggcc	ctgcaagtgc	caagtgaaca	20700
agtcaggcag	gcagggccac	tcctatcagg	gggagtggag	agtgagtacc	cgtgagcacc	20760
ttcctcatga	tcatttta	cactgagtga	aatgtcacct	tggccactg	gcagtatcca	20820
catggtgcca	ccaaagaatc	ctggagtatc	cacatgttgc	caccaagaat	cctggagtgt	20880
ggtggtaaac	agccattagg	gttagaccag	ccagacttgg	aaaaatgtat	gcgcttctt	20940
attgatttat	ttattccttc	atttgggtcaa	tagtgattga	gcacctactg	tatgctaggt	21000
gtcattctaa	gtcttgggat	actgttggtga	acgagactga	ccaaggcgct	gctttcatgg	21060
agcttacatt	ctaattggagg	agctgaatac	caaaaatgtg	aacagataag	ttaagcaatt	21120
tcagatactg	ataaaggcaa	aaataaagaa	accaggcaat	gtggtagtgt	ggggcaggag	21180
tagcaagggc	gatcagggaa	ggtctcttca	aggaggtgac	atttagagac	cctgaaaagt	21240
ctgtgggggt	cttcagagtt	tcatgtcgtc	ttctcttatt	ttacattttt	ggttgtgatt	21300
atagagtttc	catggaaatc	aaggcaatga	atagtgaag	atcatgaaag	aaaattagtt	21360
ttgaggtcag	atagcttcta	ggctggaaga	ccgggaaatt	gctagtgtta	gactccaggg	21420
attggctagt	tcacaaact	aatctaactc	aacagtccta	aggaaggatt	gaaaggagct	21480
gactgtgatg	cccagaaaca	gacttttgtg	cttaggatca	taccacattt	cttccgctct	21540
ctgagactca	aaattattct	ccaggcaaga	taatcattgc	ttctaattgat	ctgtaaataa	21600
aacaatttag	tttgagttaa	ttaagtaaga	gataggggct	gacataccct	gttttttttt	21660
gttgtttgtt	ctttgggggt	tgtgtgggtc	ttctgtttca	gtttttttt	attttttatt	21720
taactttatt	ttttgagggg	gagggacaga	gtctgtctct	gttgcccaga	gtaatctgtg	21780
ctgggattac	aggtgtgagc	cactgtgcct	ggccttttcc	agttttataa	atcaagaacc	21840
tcattttctt	tttttctgag	acaagggttag	tctctgtggc	ccatgctgga	gtgcagtggc	21900
atgctcttgg	ctcactgcat	cctctgcctc	ctaggctgaa	gccatcctcc	acctcagcct	21960
cccaaaaagc	tgggactaca	ggcatgtgcc	accacacctg	actcatttgt	gcattttttg	22020
tagagatggg	gtttcaccat	gttgcccggg	gttgatctcg	aattgaagag	ctgaaacaat	22080
ctgcctgcct	cagcctctca	aagtgttgga	attataggca	tgagccactg	tgcttggcca	22140
agaacctcat	tttcttttat	tgcaaactta	ggtgttggtt	tagatatatt	tttggttctt	22200
ttccatttgt	ccatgcgaat	aaagtattccg	aatccatttt	tgagatgtcc	cttcacattc	22260
agtacttagt	ccatcgttta	ggcacctgtg	aggcatgatc	tctgccctca	agaaaaacag	22320
accatggggc	aatcaaaaatc	taggggcagg	gaagggagag	atctatgtga	gcagtggtag	22380
tggagagggtg	tccaaaggaa	ggggttcttg	agttggctct	tgaaggagga	aatgggaaaa	22440
agaagggaga	acattccagg	taagaaaatg	agctatgaaa	aggggtcaga	gtcagcgtcc	22500
ccttgctacc	agctgaacat	gcgtagtgtg	aagatgagac	tgagcccgtg	atatggggga	22560
aatgtaccac	acgaattagt	aatattatct	agacttattc	ttcacaatgt	tgggtgaaca	22620
gagtactttc	caatgaatat	gcatagtgtg	aagatgagac	tgagctcatg	atatggggga	22680
aatataccac	acaaaattag	aatattatct	tgacttattc	ttcatacgt	tgggtgaaca	22740
gagtactttc	caaaaacacc	cgagaaactc	tccagtttta	gacaagatag	agtagacaca	22800
cttgtgttta	tttttctctg	taaggatgtt	atttataata	caagcataag	aagacctgaa	22860
aagtgaagag	aaaaagacag	actggctagg	aacctaaagga	cctaagggaac	aacacaacag	22920
acacaactga	aaatcatttg	tcatgccaag	aatcaggaat	acctaaacct	gagtgaggaa	22980
aggccatcag	cagatctcaa	cagcaagggtg	actcagatag	tgggaattata	gggcaaggat	23040
ttgaaaaacag	ctatcataaa	aatgcttcat	aaaattacag	atacacatga	aacaaatgaa	23100
aaatagtctc						

tgaggactata	acaaaagatg	tgacattcac	atcattgtag	taacaggaga	tgagtgtggg	23400
gttgaaaaag	tgtttgaaga	agtaatggct	gcatttttgt	catatttggc	aaaagacata	23460
aacctacatt	ttcagtgaac	cccaagagga	taaactcaaa	ttcatgccaa	gacataccat	23520
agtcaaactt	atgaaaatta	aagtcttgaa	agcagtgaag	ggaaagcagc	accttaccta	23580
tagggtaaaa	acaatatgag	tgacagcaga	tttctcagga	gaaacatga	aggccagaag	23640
gaggtggtac	attttccaag	tgttgaaaca	actgtcgact	cataattcta	taagacattc	23700
acagatgaag	gaaaactaag	agaatttgtc	ataatagaac	tgctctaaaa	gaatggccaa	23760
aggaagttct	cttatcagaa	aggaaatggt	aaaaggagac	ctggaacatc	aggaagggaag	23820
aaagaacaat	gggaagagta	aaactctgag	tgagtgtagt	gggcttttct	tcctctgttg	23880
acttttgaag	aattatgttt	gacagttgag	gcaaaacgat	aacattctct	gatgtgttaa	23940
aaaaaatagc	tgaaaaaaga	aaagaaagaa	cagtacctga	gaaggaaaat	aaaatctcac	24000
tgatacaatc	tttggcacct	cctattacct	agtaaagcat	cagtagaaga	aattggtgat	24060
ggagtttttt	tattcatcta	tttggtaaat	attgagcacg	cactgtatgt	cagggtactgt	24120
tctatccact	ggagtttttag	cagtgaacaa	tagagaggga	gaaccagaca	tcatttttatc	24180
agtaaccag	tcctgccata	actcactccc	tcccactata	atggcattaa	tccattcatg	24240
agggctgccc	ccatgacctc	atcacctctt	aaagggtcca	cctctatttg	catgggggtt	24300
aagtttccaa	cacatgaaat	gtgggggaca	cagtcaaadc	atagcagggtg	acttatgggt	24360
tcttcaataa	tttggttttc	agaactctaa	gaggttatta	ccattgtatc	ccattgagtt	24420
ttatcccat	gtatcccaat	gagtggtgca	ttgattgatt	ttgctgcctt	ctagttaatg	24480
tcataacatt	gaaaatgtta	tcaacaactt	tagttctttt	tcaagctggc	agcttcatag	24540
tatgactaag	cctcttgttt	agaccttggg	gtgcacatgt	tcttggcagc	agttagtgga	24600
tattatctga	tcttccaggg	tgcttgcact	ctacctcact	gccttctaac	ttgtttaata	24660
tgatcagtg	ctgtatggcc	tgctcagttc	ccccttcccg	cttcttgatt	gtttaaataa	24720
gaagttgagg	tggtgatata	acaaatttgt	cttctcatct	ggttggccta	ggtacggcga	24780
gagacagtac	ttgactcatc	tgctgggcac	agatgcagta	ccagatactg	ggtcctgctt	24840
atgttctgac	tttaacaacc	ccagacctga	aaacatggat	ggagcaggca	ggggaagaaa	24900
tgccctcttag	tatacaacta	tgtgcaagaa	agcaaaaaca	aaccacatgc	atttccttga	24960
aactgtggga	agggccccca	acattcctaa	taagcaaggg	attggatctg	gaggtcacag	25020
gatgaatgag	atgtggcctc	tgaccccatg	gtgctcacag	tcttatcttc	actgtgccca	25080
ggataaattc	ttaccaaggg	ccccctaca	gccactgggc	aggtgcaagg	gttcaggttc	25140
actcagcttc	ctttctttct	cttaaggctc	cagtgacagaa	aaaaagaatg	gttgggatta	25200
ctttcttctt	tctgcagttc	tctttatttc	cttttctctc	tcccagctcc	cagttccctc	25260
ttctaattag	cttctcagga	aaggctttct	gcaacaaaaa	ttctggctgt	tgaataaaaa	25320
gtagactaga	atttcacata	aggcaaagac	tcctgaggtt	ggcagatgct	gtgatccttg	25380
ttcttgcatt	tgaggagtgtg	cttttctcaa	cagggaatat	cataagtga	tactgcagag	25440
agttgcacat	caacatttta	ttgcataatt	ttcagaaata	atcttaggga	aatcaaaggg	25500
agtatcaaaa	tattaatatt	ggagtgtttg	cattctgctc	aattttcaaa	ttaattttta	25560
atthgttaatt	gatataatgt	acatatttat	ggggtagagt	gtgatgtttc	agtgcagtga	25620
tacattgtat	aatgatcaaa	tcagggtaat	ttccatatct	gtcactttta	attatcattt	25680
ttgtggtgat	gacattcaaa	atcttctctt	ctagctatct	tgaatatata	actaccttgt	25740
tatttactct	gtagtcaccg	tactgtgtca	tagaagacca	gagcaaattc	tccagctgtg	25800
tatcacagtc	cactctcaca	gagcctggct	ggaggcagaa	gctactgcaa	tcactgctga	25860
actcagagtg	gaagaaaagg	gccctgtggg	tgcccacctc	tgtgtcgcct	cctttctacc	25920
tcagggtgat	tccttgaatg	caaacaacag	gaatggactt	tggctaactt	aagtgaanaac	25980
agcatcaaaa	agccttatag	gctttggagc	tgtcccata	agccaaagga	aaagctgact	26040
gtcctcattt	caagtggagc	cacagccgcc	caggattgac	gcagccagga	ccagtagaaa	26100
tgggatcaca	ggattgacgc	agccaggacc	ggtagaaatg	ggatcacggg	actgacgcag	26160
ccaggaccag	tagaaatggg	atcacgggat	tgacgcagcc	aggaccagta	gaaatgggat	26220
cagcttctgg	cacttgctgc	gtgagctcac	tcctcttggg	gtgcagatct	cagtcactcc	26280
tcttggggta	cagatctcag	agaagttgcc	agggcctggc	ttgcccactt	gttggctggg	26340
ggcaagtttc	ctagaccgta	cagtctccta	aagacaacca	gagcactctt	ccaagaaggg	26400
tgagcagggtg	ccaggaacca	gaattgacga	ggctccgctc	gcattctcctc	ttcagacatg	26460
tattggcacc	tattgtatgc	caggccccct	cttcagatac	aaccaccctg	aacctcagaa	26520
ggcttccaca	tgcactccct	gctcttaccg	ggaaccttgg	ctcagccctt	tttccatggg	26580
tcacctgtcg	aaattacatc	caggcttaag	cacccctgga	agcctttcct	gcccctgacc	26640
ccacacatgc	cctgttctct	gcctgcccc	cagactcctt	cattgtcctt	gttcatgcct	26700
gtcctgtcct	ggctgcgag	ctccatgagg	tcagggtcct	tacctgtggg	gcttctctat	26760
gcgcattctc	gtgcctggct	cctgtttgcc	cttccacccc	atcagcgtgt	gttgagtggg	26820
tggatattat	atgggccaag	taggaaggca	ctgtgatggg	agcagagatg	gcccttccct	26880
taccctgggg	cactcgggat	ggtgtggtag	tgaagaaaaa	ataaacagat	catcgggtaa	26940
agctctgggtg	aactctttgt	tgcttttgtt	tgattttgta	atgggtgtaa	tgttggagaa	27000



cccagctact	tgggaggctg	aggcaggagg	atcacttgag	cccgaggggt	tcaggctgca	540
ggaagctatg	atcatgccac	tacactccag	cctgggcaat	agagcaagac	tgtctctcta	600
aaaacccaaa	attgttatag	aatatagagt	tgaataactt	ttctggaatg	agaaagctct	660
cattttagat	atccattcat	tcattcattc	aatagtgtgc	tggatgccag	gaatttaaatg	720
gtgaggaaaa	tagacatgat	ctctgccttc	tgaggctcaa	gatcctccct	ctattttttaa	780
aaatcagggt	tattgaagta	taattgatgt	acagtaaaat	ttactctttt	tagtggaac	840
ttctgtgggt	tttggcaaat	gtgtaaccaa	cacaattaag	atctagaaca	tcctgtctct	900
cccctcccga	ttttcttgtg	ctcctttgga	gtcaacaact	ctcccccaac	c	951

<210> 8890

<211> 2919

<212> DNA

<213> Homo sapiens

<400> 8890

ttttatttaa	tttatactta	agtttgaata	gccacacatg	gctagtggct	atcatactgg	60
tcaacatggg	ctatctaatt	ctgatgtaca	gtctctgcat	catcattcca	ttttctaaag	120
tgggtttctc	ccacagcagt	tgttaaaaca	aggatttgga	tacaaagaga	ttatttaaga	180
ggtgatccta	gacagcagga	gagggattga	ggaggtgaga	tggagaaggt	gaatactagt	240
aaaagactac	attgatatgc	tgtaggcact	tgaggtttct	gtttgtttgt	ttgtttgttt	300
ttttggaaa	cttcgagaga	cttatggaaa	acactgtata	attgtttcat	tgaggagcac	360
ggaactgata	atgtttattc	accaactctc	atgccttttt	ggttgaagga	tgctcctagg	420
ggcattcaca	cctgctctga	actccttctt	catctccagc	ctgcctccct	tatgggccat	480
ttcatgccac	tgtacctaga	taaagcctta	gggccaagag	attcaggtgc	ttgaggctgg	540
gtctatcctt	ctgagctgca	aataacttcc	aggggtggatc	aagggaatgt	ggggtcagga	600
tagattatat	tgcctctcat	ttacaaccaa	ccatattagc	tcatattagt	gttttatctg	660
gaataggagg	agaagcattt	gagactgtta	gaaaaaagggt	tctgctattt	aaaaaaaaag	720
ttttgaaact	gtagctctaa	actacattcc	tacctgtttt	cctgaccacc	tcaattacta	780
acttgtatcg	tgttccatat	tatttctagc	acagcatgga	ttctctaaca	ttcttgcagt	840
ctgggcctcg	caaggtagct	gtaaaaatgc	tgccctggga	ctttctcagt	ggagacataa	900
gaagactcaa	gcattccaga	aagtgtttgt	ttgggtggct	tttattgatg	tatataaaaa	960
gattagagac	agcaagagaa	gaaaatcaga	gagaacctat	acttgggtta	aaaaaaaaaa	1020
aagattttac	agcagaagta	gatagaagtg	gtgcaaatga	tgatttctcc	tcttctgata	1080
tcaagctttg	ttaagttcct	ggaaaagcaa	acgtgattat	ggcaggagta	aattgactga	1140
aagccaagtc	aaagaggcag	atcagcttct	gaaggagggtc	tgctcacttc	agcaaagaaa	1200
gcaggggcaa	gaatcctagg	cttttgagct	agttaggccc	ccagttccta	caaccatggg	1260
ctgaaataat	gtggagaact	cttgatattg	taggcaaaa	gaatgttagc	agagttccat	1320
cagagataat	ggctggccat	gagctaaaga	gagtttagcc	accacaaaga	agaacctgcc	1380
tgtagagata	tctctaagct	aaaaacctct	gcaagtttcc	tttcgaaatt	ctaccttaaa	1440
aatttgaaat	aacctcagat	caaagttaac	gcaagagttt	ccagaagagt	gaagttcata	1500
atgccacaag	gaaaaaaact	agaggatgac	taaagtaaaa	tttcatttta	aaatttttat	1560
tcacttagct	gaggttggaa	agagtaaaat	ttttacatga	aaatattaag	tatctagaaa	1620
ctcttataaa	aagaaaaatt	aaaaagcaca	atgatagaca	aaaaggatga	gaataaacia	1680
ttcagaaaaa	aaaatagaac	tgatccataa	aaagaaaaaa	atggccaact	tcacttattg	1740
cattgaagaa	acacaaaata	aaatataata	ctgcctatta	aagttgtaca	tttttaataa	1800
aattaattaa	aatgcccaat	gtgggtacaa	ttgtggaggc	agtgagcact	cttctacttg	1860
ttggtagaag	tggaaattaa	attgttacat	ccttctaaaa	taatttggca	atctattaat	1920
atattcagat	cctagaatag	tttaaagcct	ccagtccaat	aatttattat	atctatatat	1980
tgtctgttca	tatattttct	atttatatat	atatctataa	tctgtatcta	catatataat	2040
tagcctactg	cctatctttg	taaataaagt	tttattggaa	ctcagccata	ctcattagtg	2100
catggtattg	tctatggctg	ctttccacct	gcaatggtag	cattcagtag	tcgccctgga	2160
gaccatacaa	ctaaaaacat	gtaatatgca	gccctttgca	gaaaaagttt	gctaaccctt	2220
gcaccagaat	ataaactctt	tgacatgtaa	gctcaatgag	tgcaaaataa	ttgtctgctt	2280
tgtttgctat	tgcattccca	gtggctagaa	cagtgcctgg	cacacagtag	atgctcaata	2340
aatattagtg	aagtcacag	ttgctcctat	taaagtatat	tcatattgtt	tttacattta	2400
gtgggttttt	ggttttacaa	ataatgttgc	agtgaacaca	gatctttgct	tacttttgca	2460
attatatcag	acacaatatt	ttaaaaaaa	tagttaacaa	ctttaacaac	ctggaaaaat	2520
actgttgata	tatcaaattt	ttaaaataga	ctaaaatttt	atagatgact	ctaaattttg	2580
tttttaaaag	tgtgtgtgca	tgtgtgtgca	tggttgtgtt	aactataaat	aatttgaagg	2640
ctaggagggtg	ggtgggggtga	ttttgatctc	ctttcccttc	ttttcttttt	gttttttgtt	2700

ttgttttttt	tttttttttt	tgaagtggag	tctcgctctg	ttgcccaggc	ttgagtgcag	2760
tggcgcgatc	tcagctcact	gcaacctctg	cctcccaggt	tcaagccatt	ctcttgccctc	2820
agcctcctga	atagctggga	ttacaagtgc	acgccacccat	gccagctaa	tttttgtgtt	2880
tttagtagag	accaggtttc	accatgttgg	tcaggcagt			2919

<210> 8891  
 <211> 224  
 <212> DNA  
 <213> Homo sapiens

<400> 8891						
aagggacaag	gactgaaaaa	ctgcctattg	ggtactatgc	ccactaccta	gttgatggga	60
tccttcatac	cccaaaccctc	agcattacac	aatataacca	tggaacagac	acccctgaat	120
gcacatgcac	cccctgaatc	taagacaagt	tcaagttatt	aaaaaaaaaa	aaaaaagatg	180
aagatgggga	taggttgaga	atgaggaaag	aacaagaggt	tttg		224

<210> 8892  
 <211> 286  
 <212> DNA  
 <213> Homo sapiens

<400> 8892						
catgtttcat	ggttggagaa	acaccaacat	cagccgggcg	cggtggctca	agcctgtaat	60
cccagcactt	tgaggaggccg	tcactggcag	atcacttgag	gtcaggaggt	caagacctgc	120
ctggccaaca	tggtgaaatc	ccgtctctac	tgaaaataca	aaaattagcc	aggcatgggtg	180
gcaggcacct	gtaatcccag	ctacttggga	ggcaggggca	ggagaatcac	ttgaatccag	240
gaggcagagg	ttgcagtgc	tcaaaggtag	cactttggca	tagcta		286

<210> 8893  
 <211> 4132  
 <212> DNA  
 <213> Homo sapiens

<400> 8893						
gaagacgatg	ggaatcacat	taaaaaggag	aagcatcctc	tctcgtcg	acacatgccc	60
gtgatgggtg	ccaagcagca	ggagttcaag	gtgaaggag	gcaggggccc	cgggccgggg	120
tgaggcgac	ctcgagctc	tgaatgggcc	acttgggaga	tgattcttaa	ggggcggtgt	180
cagaacatgg	tctcccagg	ttcaccacag	tgaccgcttc	tctagaggctc	atztatctgg	240
aaataagact	gctgttgatt	gaaacctaaa	aaaacgccc	gccattgtct	ctgaagccc	300
gtcctggggc	aggaccctgg	ggtattccag	cagtgccaca	gcacctgagg	ccttggttagt	360
taaagagggg	acacgtgttt	cacatttcta	gctctgtttt	gcctttgctt	ggcaagcagt	420
ctgtttccac	agtggatcgt	aactccagg	ctcctgtctg	cttgagggtac	cgtgcccgt	480
ctttgccttg	gcagactcca	tctccagggt	ggcgtcttat	taatgttccc	agtgttgctg	540
actcaggcat	cacaggccag	ggccttcagt	gacgtgaca	atgtcttatt	ctttaagaaa	600
taaagatgtt	tcttctcacc	ctgctctctg	gccagggttt	cccagcagct	cccctgacct	660
ctcctgttga	gagttgcagg	cgggtgcacag	gactcctctg	ggagaggctg	gggtgggaca	720
gggaagggga	gaggcacagg	ccatcacagg	ctgtacttga	tgcttgcagg	gccagccctc	780
ccatctgaag	cgccttgagc	tgccggatct	cagtgtgctg	atgggatcta	aagattaaga	840
taccaaaggt	tgaatctcct	taggtgttca	cttctaaaa	gctaacttct	gagagtgtga	900
cttttaaaact	ttcatcctcc	ctattttta	ctttggtagg	taatgaacct	gtaatttctg	960
tgttttataca	ttggaagtaa	gtcatccatt	taagacgtta	tgtagtctag	gagcctctta	1020
gctctgtttt	atatgtgagc	gtttgatttt	attccatttt	agattgaatg	tgctgcttat	1080
aaccttgaac	cttacctaaa	taatgaaagc	cagccagatt	cattttccac	ggcacatgg	1140
ttcctgtggg	taagatgtgt	ttatttggtt	ttggtacaag	ttcacagaga	atcaacgttc	1200
atggtcgggtg	tgatgagaga	ctgagatgtg	aattgtctcag	tagagagttg	gcggtggcgt	1260
atcccagagt	gtacttagaa	acatgaaaac	ttctttgaaa	gggagctgat	cacttttgga	1320
aaagattttac	agttcttagg	aatgcaaata	tttgtttctt	ttccttttca	tctaaaacat	1380
ttaccagata	aagttgagtc	cagagacaac	taactaataa	gagaataatt	ttaatatgtt	1440

tttccatttt	ggtgtcaaca	ttgcatggat	tttttttctt	gttccaagac	tggttttttc	1500
cagtggaaac	ttagcagtta	aaattaattt	gttccaaatg	aatatttgca	tctgaaatta	1560
ggctggaatt	gcagtagacg	ttcctggttc	ttgcaaacca	gaggacattc	ttgaagctgt	1620
gtgggtcccag	gctctccctt	ctctgggttc	ctgtgttccc	tccctgcagc	ctcagactcg	1680
ccctccaggg	ctccactgtg	ctttttccaaa	ctctcatcct	ttcctcccag	gcgtcctgtg	1740
cagcacgcca	ctgcctctca	cttctcacat	ccacagctcc	tgcttgggtca	gtgttccctag	1800
ttgagtgtca	gaaattgaac	aacccaatta	gctgggtattt	catttgtacc	aacctatgaa	1860
tggaggagta	gccttaattc	ccttgggggc	ttccacttct	aagagaactg	ttttccgtcc	1920
aggtaggcag	acctgtcatg	gctgaagctt	catcacctgg	cctgggtcata	gccccagggc	1980
cctgtaggca	ggacaggggc	ttggcagatt	ggcatccttc	ccacaaaagc	atgaaagtag	2040
gatgtctgta	tgtagcgaca	acaaatacaa	gaataaggag	agtttaacaa	cattctcaaa	2100
gttgggtgga	aagaaaaaga	atcaatgaaa	acatcacctt	aaaccagcta	gtgctttctg	2160
tttacaggga	tcagaccctt	tcccacttaa	aaaaaaaaaag	acaaataaat	ttaagtttaa	2220
attgggaaac	taactgtgct	atgtgtttct	gtttagagaga	ttcaaacaca	caggaagttc	2280
atgtacactg	ttgcagcaat	gctacttttag	aaattccacg	gcaggcgtgg	tggtctatgc	2340
ctgtaatccc	agcacttttg	gaggccgagg	cgggtgggatc	acaaggtcag	gagtttgaga	2400
ccagcctggc	caaacatagt	gaaacccctg	ctgtactttc	acatagtgaa	accccatctc	2460
tactaagaat	gcaaaaatta	gccggatgtg	gtggcacgag	cctaaagtcc	cagttttctca	2520
ggaggctgag	gtggcagaat	cgcttgaacc	caggaggcag	aggttgcagt	gagccaagat	2580
catgccattg	cactccagcc	tgggtgacag	agtgaagact	tctccaaaaa	aaagaaaaaa	2640
aaagaaattc	cacagcatac	cacatgttga	cttccaatga	gctacttggg	atgcattctt	2700
actgatgttt	ttcctatttg	aaagggtttat	tttcttagcc	taggtcattg	aatattagtg	2760
ttaagttatt	aaaattgata	ataatctgct	tcttaggatt	ttaaattgag	gatagatggg	2820
cccttacctt	catattgtga	tgagtacgtg	atttttaaag	tatagaaatg	tgactttgta	2880
gaaatgaaag	ttacgctttt	gctttaaaat	tttttgaaaa	ctgaattaaa	tgtgttgaaa	2940
agaaaaaggg	gctctgtgag	caattgttta	agaatttttt	tttatttttt	taagtgtgtt	3000
gattctcaca	tgaaaatcga	agcttgtcgt	ggcctttaag	ggtcaggttc	cagcgtatta	3060
tgggaagccg	cacatggctg	ttttcttctt	tcttcctaatt	tctctgattc	agatcgggaag	3120
ttgcacccat	caaatgggtc	agattgccat	cgtctcgttt	caaaattcca	ctcccaaagt	3180
cattgagtgc	ttcaacgtgg	aatctcgcat	cctgtgcatg	ctgtacgttc	ccgtcgagga	3240
gaagcgcaga	gagcctgggg	cacccccgga	ccccgagacc	ccggccgtga	gagcttctga	3300
tgtccccacg	atctgtgtag	ggatggagga	gggaaggtag	ggcatgctca	ctgcgttaca	3360
gagaatttag	aagctctgcc	catggagggc	gtgggtgggga	gcctgtcctg	gaaagagtcc	3420
ttgactttga	ctcaggagta	gcccgtgcag	gaattagggg	ataccagggg	aaatttttag	3480
ggtcattgca	ctttgaaata	actagtgaat	tgggcccatg	gaaattattc	taggaaactc	3540
ttaaagagaa	gtgggtatttc	tttaaagggg	acagtttggc	tgtttgccac	tgaaatgtct	3600
catttatatt	aatgggtttg	aaaaggacat	tccccctta	tatttttgaa	taaaacagcc	3660
atattctatg	tcatgatcat	actgaattgc	tgacaccatt	taaaggagag	ttaaaatgat	3720
tttctctatg	tgaagttcca	agatacacag	taggaagaac	taagtttttt	catatatccc	3780
agaattttcc	ttttaaaaat	aaagaaatca	agggtggtgc	aaatttttta	aaagtactgg	3840
caagtgtccc	taggaatgga	gaaggaaggg	caagagggaa	gagttgaaat	gtttgtgttt	3900
atgttaacag	gcaccctcgt	tcttgttaca	acgagcaaat	atatttatta	gcttgtattt	3960
ttctctttaa	gcatttccat	ttataaaagc	agtcaaggct	ccaagaaagt	gagacttcag	4020
cactttttca	ctcctgagaa	gtccacagtc	atgagcctgg	cttgacagtc	tcagagcctg	4080
tacgctggcc	tgggtcaacgg	ggcagtcgcc	agctacgcca	gagccccagg	tg	4132

<210> 8894  
 <211> 4131  
 <212> DNA  
 <213> Homo sapiens

<400> 8894						
gaagacgatg	ggaatcacat	taaaaaggag	aagcatcctc	tcctcgtcgg	acacatgccc	60
gtgatggtgg	ccaagcagca	ggagttcaag	gtgaagggag	gcaggggccc	cggccccggg	120
tgggacgcac	ctcgcagctc	tgaatgggcc	acttggggaga	tgattcttaa	ggggcgtggg	180
cagaacatgg	tcctcccagg	ttcaccacag	tgaccgcttc	tctagaggtc	atttatccgg	240
aaataagact	gctgttgatt	gaaacctaaa	aaaacgcca	gccattgtct	ctgaagccca	300
gtcctggggc	aggaccctgg	ggtattccag	cagtgccaca	gcacctgagg	ccttgttagt	360
taaagaggga	cacgtgtttc	acattttagt	ctctgttttg	cctttgcttg	gcaagcagtc	420
tgtttccaca	gtggatcgta	actccaggtc	tccgtctctg	ttgaggtacc	gtgcccgcctc	480

tttgccttgg	cagactccat	ctccaggggtg	gcgtcttatt	aatgttccca	gtgttgctga	540
ctcaggcatc	acaggccagg	gccttcagtg	acgctgacaa	tgtcttattc	tttaagaaat	600
aaagatggtt	cttctcacc	tggtctctgg	ccagggtttc	ccagcagctc	ccctgacccc	660
tcctgttgag	agttgcagg	gggtgcacagg	actcctctgg	gagaggctgg	gggtgggacag	720
ggaaggggag	aggcacagg	catcacagg	tgtacttgat	gcctgcagg	ccagccctcc	780
catctgaagc	gccctgagct	gccggatttc	agtgtgctga	tgggatctaa	agattaagat	840
accaaagggt	gaatctcctt	agggtgttcac	ttctaaaaag	ctaacttctg	agagttgtac	900
ttttaaactt	tcatectccc	tatttttaatc	tttggtaggt	aatgaacctg	taatttctgt	960
gtttatacat	tggaagtaag	tcateccattt	aagacgttat	gtagtctagg	agcctcttag	1020
ctctgtttta	tatgtgagcg	tttgattttta	ttccattttta	gattgaatgt	gctgcttata	1080
accctgaacc	ttacctaaat	aatgaaagcc	agccagattc	attttccacg	gcacatgggt	1140
tcctgtgggt	aagatgtggt	tattttgggtt	tggtacaagt	tcacagagaa	tcaacgttca	1200
tggtcgggtg	gatgagagac	tgagatgtga	attgctcagt	agagagttgg	cgggtggcgta	1260
tcccagagtg	tacttagaaa	catgaaaact	tctttgaaag	ggagctgac	acttttggaa	1320
aagatttaca	gttcttagga	atgcaaatat	ttgtttcttt	tccttttcat	ctaaaacatt	1380
taccagataa	agttgagtc	agagacaact	aactaataag	agaataattt	taatatgttt	1440
ttccattttg	gtgtcaacat	tgcatggatt	tttttctctg	ttccaagact	ggctttttcc	1500
agtggaaact	tagcagttta	aattaatttg	ttccaaatga	aatattgcat	ctgaaattag	1560
gctggaattg	cagtagacgt	tcctgggttct	tgcaaaccag	aggacattct	tgaagctgtg	1620
tggtcccagg	ctctcccctc	tctgggtttcc	tgtgtttccct	ccctgcagcc	tcagactcgc	1680
cctccagggc	tccactgtgc	ttttccaaac	tctcatcctt	tcctcccagg	cgtcctgtgc	1740
agcagccac	tgccctctac	ttctcacatc	cacagctcct	gcttggtcag	tgttcctagt	1800
tgagtgtcag	aaattgaaca	acccaattag	ctgggtatttc	atltgtacca	acctatgaat	1860
ggaggagtag	ccttaattcc	cttgggggct	tccacttcta	agagaactgt	tttccgtcca	1920
ggtaggcaga	cctgtcatgg	ctgaagcttc	atcacctggc	ctggtcatag	cccccaggcc	1980
ctgtaggcag	gacaggggct	tggcagattg	gcacccctcc	cacaaaagca	tgaaagtagg	2040
atgtctgtat	gtagcgacaa	caaatacaag	aataaggaga	gtttaacaac	attctcaaag	2100
ttggtggaaa	agaaaaagaa	tcaatgaaaa	catcaccccta	aaccagctag	tgctttctgt	2160
ttacagggat	cagaccctt	cccacttaaa	aaaaaaaaga	caaataaatt	taagtttaaa	2220
ttgggaaact	aactgtgcta	tgtgtttctg	ttgtagagat	tcaaacacac	aggaagtcca	2280
tgtacactgt	tgacgaatg	ctactttaga	aattccacgg	caggcgtggg	ggctcatgcc	2340
tgtaatccca	gcactttggg	aggccgaggc	gggtggatca	caaggtcagg	agtttgagac	2400
cagcctggcc	aaacatagtg	aaaccccgtc	tgtactttca	catagtgaag	ccccatctct	2460
actaagaatg	caaaaattag	ccggatgtgg	tggcacgagc	ctatagtccc	agtttctcag	2520
gaggctgagg	tggcagaatc	gcttgaaccc	aggaggcaga	ggttgcagtg	agccaagatc	2580
atgccattgc	actccagcct	gggtgacaga	gtgagactgt	ctccaaaaaa	aagaaaaaaa	2640
aagaaattcc	acagcatacc	acatgttgac	ttccaatgag	ctacttggga	tgcatcttta	2700
ctgatgtttt	tcctatttga	aagggtttatt	ttcttagcct	aggtcattga	atattagtgt	2760
taagttatta	aaattgataa	taatctgctt	cttaggattt	taaattgagg	atagatgggc	2820
ccttaccttc	atattgtgat	gagtaacgtga	tttttaaaag	atagaaatgt	gactttgtag	2880
aaatgaaagt	tacgcttttg	ctttaaaatt	ttttgaaaac	tgaattaaat	gtgttgaaaa	2940
gaaaaagggg	ctctgtgagc	aattgtttta	gaattttttt	ttattttttt	aagtgtgttg	3000
attctcacat	gaaaatcgaa	gcttgtcgtg	gcctttaagg	gtcagggttc	agcgtattat	3060
ggaagccgcc	acatggctgt	tttcttcttt	cctcctaatt	ctctgattca	gatcggaagt	3120
tgcacccatc	aaatgggtca	gattgccatc	gtctcgtttc	aaaattccac	tcccaaagtc	3180
attgagtgtc	tcaacgtgga	atctcgcatc	ctgtgcatgc	tgtacgttcc	cgtcgaggag	3240
aagcgcagag	agcctggggc	acccccggac	cccagagacc	cggccgtgag	agcttctgat	3300
gtccccacga	tctgtgtagg	gacggaggag	ggaaggtagg	gcatgctcac	tgcgttacag	3360
agaattagca	agctctgccc	atggaggggc	tggtggggag	cctgtcctgg	aaagagtcct	3420
tgactttgac	tcaggagtag	cccgtgcagg	aattaggggg	taccagggga	aatttttagg	3480
gtcattgcac	tttgaaataa	ctagtgaatt	gggcccattg	aaattattct	aggaaactct	3540
taaagagaag	tggtattttc	ttaaagggga	cagtttggct	gtttgccact	gaaatgtctc	3600
atttatatta	atggttttga	aaaggacatt	cccccttat	attttggaat	aaaacagcca	3660
tattctatgt	catgatcata	ctgaattgct	gacaccattt	aaaggaaagt	taaaatgatt	3720
ttcctgatgt	gaagttccaa	gatacacagt	aggaagaact	aagttttttc	atataatcca	3780
gaattttccct	tttaaaaaata	aagaaatcaa	gggtgttgca	aattttttta	aagtactggc	3840
aagtgtccct	aggaattggg	aaggaagggc	aagaggggaag	agttgaaatg	tttgtgttta	3900
tgtaaacagg	caccctcggt	cttgttacaa	cgagcaaata	tatttattag	cttgtatttt	3960
tctcttaaag	cattttccatt	tataaaagca	gtcaaggcgc	caagaaagtg	agacttcagc	4020
acttttttcac	tcctgagaag	tccacagtca	tgagcctggc	ttgcacgtct	cagagcctgt	4080
acgctggcct	ggtcaacggg	gcagtcgcc	cctacccag	agccccaggt	g	4131



<210> 8895  
 <211> 1752  
 <212> DNA  
 <213> Homo sapiens

<400> 8895  
 gaagagacct tgggtaataa gcttgccact gagtggctgc tttatgtcct caagggattg 60  
 taccatatca agcactcagc attggtgtct gttgctaatt gtcaggcatt cagtagtggt 120  
 ggtagctaga tcagccttgg agagagagag cccatcattt caggccatca cgactaatcc 180  
 attcatttat gggccctttg taaggattga gatggctgag gacaggggct gacaggcatt 240  
 cattagacca gtcacacctgt ccatatgctt attcagtgt tcttctgcca cacgtgctct 300  
 ctgggtgggct ctagtgtgag acacaaagat caacacatta tgtgcccatt cttatagctc 360  
 cagccacatg cctcttcctc agacatgctt ggtttcaatc ctctagtgtt gttcccttga 420  
 ggcccttgac caagcaacca agccattctc caccacctag aagtctgtgt atattcttac 480  
 ttttgccgc ttctctccag acacaaagca gatgaccact ggacttgaat tggcaccag 540  
 agttattttg ggtgtgtctt tagtgcagca acagtccata tttttagctc acgccagcat 600  
 atcatgctag cctaatecct ataaagccct tttcctgtct cttttctatt ctgtcaactg 660  
 tctgtggaga aatccccaag gggccatagg tattatgtct ggaattgggt ctctccgagg 720  
 gggtcttggg ctgctgact tcaagaatga agccatggac cctcgagtg agtggtgcag 780  
 ttcttaaaga ttgtgtgtcc ggagtttgtg ttttcagatg ttcagatgtg tctggaggag 840  
 tttcttcctt ctgggtgggct cgtggtctcg ctgacttcag gagtgaagcc acagaccttc 900  
 acagtgagca ttacagctct taaagggtgt gctgccagag ttgtttgttc ctcccgtgtg 960  
 gtttgtgggc tcaactggctt caggagtga gctgcagacc ttgagcagtg gtgttacagc 1020  
 tcataaaggt agtgtggacc caaagagtga gcagcagcaa gatttattgt gaagagtga 1080  
 agaaaaaagc ttccacagcg tgggaagggga cctgagaagg ttgccgccac tggctcgggt 1140  
 ggccagcttt tattccctta tttggccccg cctcctcct cctgatttgt ccgttttaca 1200  
 ggggtgctgat tgccccattt tacagagtgc tgattggtcc gtttttacag agtgctgatt 1260  
 ggtgctgtta caaaccttta gttagacaca gagtgtctat tgggtgcatt ttacagagt 1320  
 ctgattgggt catttcaaaa cctttggcta gacacagagc gcttatttgt gcatttaca 1380  
 tcctttagct aggcagaaaa gttctccaag tccccaccca acccagaagt ccagctggct 1440  
 tcaacttctc atcctccttc taaacaggac accacaagt ttgttgggaa ttggccgatg 1500  
 accgctctag ctatttctct ctggataggg gcaaagaagg ggccctgcag ttgtagtgtc 1560  
 ctccagaggg gaactcttta ggccagtga agggccagca ggttggctct gggctcctag 1620  
 tagaagttgt tagttgagct catttggggg tccatttgta agaccatctg tagcttgatg 1680  
 gcctcaatc tagaggaaac aaatttgaca aggagattaa aaatacaggg tccaaaggca 1740  
 agaaatagca ag 1752

<210> 8896  
 <211> 685  
 <212> DNA  
 <213> Homo sapiens

<400> 8896  
 gcaaacatgg tgaaacccca tctctactca aaatacaaaa attagttagg catggtggca 60  
 cacacctgta atcccagcta ctccggaggc tgaggcacia gaatcgcttg aaccggggag 120  
 gtgcagggtg cagttagcca agatcacacc actgcactcc agcctgggca gcagagttag 180  
 accgtgtccc aaaaaagaga aggagaaaca gagatcatgt ggaaaaagt attttttatt 240  
 tatttactta gttttcagtt tgggttgaga ctctgtgttt aaaccagagg gcatggttac 300  
 tgagggataa catcaataga actcctataa ttgaggggat aattatcaag gtattagatg 360  
 attcactggc tattacaaag aacacagaaa ttatgaaacc tggttctgta acttatagtt 420  
 tttcatatta tttttatacc atggacaact cttctatgtg tattcatagg tgtaagatta 480  
 ctggcagtgt catatgaaac aacgtattac attttttaag cctggaaaag atctagtatg 540  
 gctgtgcacg tagtgatgac attgactttt tttacttaaa gaagagctac cacttcaaat 600  
 ccacacgggt gcagttctcc tgcctagcca gctgccactg gactctctcc cctgtatata 660  
 agccccaat aactacgtct ttttt 685

<210> 8897

<211> 618  
<212> DNA  
<213> Homo sapiens

<400> 8897  
ctccaaactg ttttccatag tgggtgtact gatttagatt tccaccaaga gatatgtatg 60  
agagttccct tttctccaca ttcttgccag catttggtat tgcctgtctt ttggataaaa 120  
accatttgaa ctagggtgag atgacatctc attgtagttt tgatttgcac ttgtctgatg 180  
ataattatgt tgagcactga tatgggttgg atctgtgtcc ccaccaaatc tcatgttgaa 240  
ttgtagctcc cagtgttgga ggtgggggtc gctggagggt ggttggattt ctcattgaatg 300  
gtttcatact gtccctcttg tgctgttctt gtgatagtga gtgagttctc atgagatttg 360  
gttttttaaa agcgtacacg acctccccgc tcaactcttc ttgctcctgc ttccgccatc 420  
taagatgcct tactccctct ttgctttctg ccatgattgg cagtttcttg aggcctctcc 480  
agaagcagaa gctgctatgc ttctataaca gcctacaaaa ctgtaagcca attaaaactc 540  
ttttctttat aaattaccca gtctcaggta tttctctgta gcagcatgag aacggattaa 600  
tacaagtctc aggtatatt 618

<210> 8898  
<211> 614  
<212> DNA  
<213> Homo sapiens

<400> 8898  
ctccaaactg ttttccatag tgggtgtact gatttagatt tccaccaaga gatatgtatg 60  
agagttccct tttctccaca ttcttgccag catttggtat tgcctgtctt ttggataaaa 120  
gccatttgaa ctagggtgag atgacatctt attgtagttt tgatttgcac ttctctgatg 180  
ataattatgt tgagcactga tatgggttgg atctgtgtcc ccaccaaatc tcatgttgaa 240  
ttgtagctcc caatgttgga ggtgggggtc gctggagggt ggttggattt ctcattgaata 300  
gtttcatact gtccctcttg tgctgttctt gtgatagtga gttctcatga gatttgggta 360  
ttcaaaagcg tacagcacct ccccgctcac tctctcttgc tctgtcttcc gccgtctaag 420  
atgccttact ccctctttgc tttctgcat gattggcagt ttcttgaggc ctctccagaa 480  
gcagaagctg ctgtgcttcc tgtacagcct acaaaactgt aagccaatta aaactctttt 540  
ctttataaat taccagctct caggtatttc tttatagcag cgtgagaatg gattaatata 600  
agtctcaggt attt 614

<210> 8899  
<211> 614  
<212> DNA  
<213> Homo sapiens

<400> 8899  
ctccaaactg ttttccatag tgggtgtact gatttagatt tccaccaaga gatatgtatg 60  
agagttccct tttctccaca ttcttgccag catttggtat tgcctgtctt ttggataaaa 120  
gccatttgaa ctagggtgag atgacatctt attgtagttt tgatttgcac ttctctgatg 180  
ataattatgt tgagcactga tatgggttgg atctgtgtcc ccaccaaatc tcatgttgaa 240  
ttgtagctcc caatgttgga ggtgggggtc gctggagggt ggttggattt ctcattgaata 300  
gtttcatact gtccctcttg tgctgttctt gtgatagtga gttctcatga gatttgggta 360  
ttcaaaagcg tacagcacct ccccgctcac tctctcttgc tctgtcttcc gccgtctaag 420  
atgccttact ccctctttgc tttctgcat gattggcagt ttcttgaggc ctctccagaa 480  
gcagaagctg ctgtgcttcc tgtacagcct acaaaactgt aagccaatta aaactctttt 540  
ctttataaat taccagctct caggtatttc tttatagcag cgtgagaatg gattaatata 600  
agtctcaggt attt 614

<210> 8900  
<211> 436  
<212> DNA  
<213> Homo sapiens

<400> 8900  
 tggcctccca aagtgctggg attacaggtg tgagccaccg catctggcca atcttttctt 60  
 tttctttcat aaaagttgta ctatttatga agtacatgtg atattttgac acatagacac 120  
 aatgtgtaat aatcgaataa aagaaattcg gatattccata acttcaggca tttatcattt 180  
 ctttgtatta ggcacattcc aattccactc tcagttattt tgaaatatac taaaaatcat 240  
 tgttaactac attcacccta ttgtgctacc aaacactaga tcttattctt tccatataac 300  
 tgtatttttg taccatttaa ccatctcctt tttatcctcc cttctccact acccttttta 360  
 gcttctgcta accatcatta tacctctacc tccatgagtt caattttttt tggctctccc 420  
 ataggagtga gaacat 436

<210> 8901  
 <211> 436  
 <212> DNA  
 <213> Homo sapiens

<400> 8901  
 tggcctccca aagtgctggg attacaggtg tgagccaccg cacctggcca atcttttctt 60  
 tttctttcat gaaagttgta ctatttatgg agtacatgtg atgttttgac acatagacaa 120  
 aatgtgtaat aatcgaatca aagaaattcg gatattccata acttcaggca tttatcattt 180  
 ctctgtatta ggcacattcc aattccactc tcagttattt tgaaatatac tataaatcat 240  
 tgttaactac attcacccta ttgtgctacc aaacactaga tcttattctt tccatataac 300  
 tgtatttttg taccatttaa ccatctcctt tttatcctcc cttctccact acccttttta 360  
 gcttctgcta accatcatta tacctctacc tccatgagtt caattttttt tagctgtccc 420  
 atagtagtga gaacat 436

<210> 8902  
 <211> 436  
 <212> DNA  
 <213> Homo sapiens

<400> 8902  
 tggcctccca aagtgctggg attacaggtg tgagccaccg cacctggcca atcttttctt 60  
 tttctttcat gaaagttgta ctatttatgg agtacatgtg atgttttgac acatagacaa 120  
 aatgtgtaat aatcgaatca aagaaattcg gatattccata acttcaggca tttatcattt 180  
 ctctgtatta ggcacattcc aattccactc tcagttattt tgaaatatac tataaatcat 240  
 tgttaactac attcacccta ttgtgctacc aaacactaga tcttattctt tccatataac 300  
 tgtatttttg taccatttaa ccatctcctt tttatcctcc cttctccact acccttttta 360  
 gcttctgcta accatcatta tacctctacc tccatgagtt caattttttt tagctgtccc 420  
 atagtagtga gaacat 436

<210> 8903  
 <211> 1311  
 <212> DNA  
 <213> Homo sapiens

<400> 8903  
 ggaggaattg ctatttaagt ggaaagtgtc tgaacagcca aatgagcacc tgtcatgttt 60  
 attttcactt tgaaaagtag aaacatgaca gtatagtttc cactgcctat ccaatatgaa 120  
 cttctggcat tcttgttatc ttctcaggaa ctgcactgtt tgcttcttgt gttcaatttt 180  
 tttttttttc cagggatgag gatgtatctc tcctcctgaa actttcactc taaaaatatgc 240  
 ccccaaatac tgacattttc aagcttgtgc ttttttactt gatattctgat ttttttttaa 300  
 tttttattta ataggagaa ggtcatgact tatggaattt actctaagga tagggatctg 360  
 agcaggttcc tgagtacttg aaaggcttta ttacctctt acactttttt gttacatcca 420  
 gggttttgct catttctcta tcatttgtgt cttgaacttt acctgaaatg catgtcttga 480  
 gtgcctacta aggtccaggc attgtgctgg cagatttgat atatttttgt ttattcctta 540  
 ttacaggact attacatagt agactctcat tctgacactc actttttttt tccagaaaaa 600  
 aaaattaatg gagattgatt gctaattgggt acagggctgc ttttaaggct atgaaaatgc 660  
 tctaaaatta gtttgtggtg atggttgcac atctctgaac gtactaaaat acattgaatt 720

atatacttttc	ttttttcttc	gttttgcagc	ttttgctcaa	aggagaatta	gatattttaa	780
atgagtgaat	tgtatggtac	atgaattaga	tctcaataaa	actattttta	aaaaagaaac	840
taaagcttag	agaagtataa	tatcttggtc	aatatgacac	tacctggtaa	agcttttgct	900
caaatttttc	tgagaccaaa	gctattcttt	cttccactga	cgcatgctat	ctctactaat	960
tatatagcca	cggtatcctt	tttctttaaa	aatgtaggaa	aaaatggctg	ggtgcggtgg	1020
ctcacgcctg	taatcccagc	actttgggag	gccaaaggcg	acggatctct	tgaggtcagg	1080
agtttgagac	cagcctggcc	aacatggtga	tacccacact	ctactaaaaa	aaaaaaaaaa	1140
aaaaaaaaat	tagccagggtg	tggtggcggtg	cacctgtaat	cccagctact	cgggaggctg	1200
aggcatgata	atcacttgaa	cctgggaggc	agaggttgca	gcgagtcaag	attgcaccac	1260
tgcactccag	cctgggcaac	agagtggagac	tccgtctcaa	aaaaaaaaaa	a	1311

<210> 8904  
 <211> 1311  
 <212> DNA  
 <213> Homo sapiens

<400> 8904						
ggaggaattg	ctattttaagt	ggaaagtgct	tgaacagcca	aatgagcacc	tgtcatgttt	60
attttcaact	tgaaaagtag	aaacatgaca	gtatagtttc	cactgcctat	ccaatatgaa	120
cttctggcat	tcttggtatc	ttctcaggaa	ctgcactggt	tgcttcttgt	gttcaatttt	180
tttttttttc	cagggatgag	gatgtatctc	tcctcctgaa	actttcactc	taaaaatatg	240
cccaaatac	tgacattttc	aagcttggtg	ttttttactt	gatattctgat	ttttttttaa	300
tttttattta	atagggagaa	ggtcatgact	tatggaattt	actctaagga	tagggatctg	360
agcagggttc	tgagtacttg	aaaggcttta	tttacctctt	acactttttt	gttacatcca	420
ggttttttg	catttctcta	tcatttggtg	cttgaacttt	acctgaaatg	catgtcttga	480
gtgcctacta	aggtccaggc	attgtgctgg	cagatttgat	atatttttgt	ttattcctta	540
ttacaggact	attacatagt	agactctcat	tctgacactc	actttttttt	tccagaaaaa	600
aaaattaatg	gagattgatt	gctaattggg	acagggtctg	ttttaaggct	atgaaaatgc	660
tctaaaatta	gtttgtgggtg	atggttgcac	atctctgaac	gtactaaaaa	acattgaatt	720
atatactttc	ttttttcttc	gttttgcagc	ttttgctcaa	aggagaatta	gatattttaa	780
atgagtgaat	tgtatggtac	atgaattaga	tctcaataaa	actattttta	aaaaagaaac	840
taaagcttag	agaagtataa	tatcttggtc	aatatgacac	tacctggtaa	agcttttgct	900
caaatttttc	tgagaccaaa	gctattcttt	cttccactga	cgcatgctat	ctctactaat	960
tatatagcca	cggtatcctt	tttctttaaa	aatgtaggaa	aaaatggctg	ggtgcggtgg	1020
ctcacgcctg	taatcccagc	actttgggag	gccaaaggcg	acggatctct	tgaggtcagg	1080
agtttgagac	cagcctggcc	aacatggtga	tacccacact	ctactaaaaa	aaaaaaaaaa	1140
aaaaaaaaat	tagccagggtg	tggtggcggtg	cacctgtaat	cccagctact	cgggaggctg	1200
aggcatgata	atcacttgaa	cctgggaggc	agaggttgca	gcgagtcaag	attgcaccac	1260
tgcactccag	cctgggcaac	agagtggagac	tccgtctcaa	aaaaaaaaaa	a	1311

<210> 8905  
 <211> 611  
 <212> DNA  
 <213> Homo sapiens

<400> 8905						
gaaataaaaat	gtagacattc	tctttccctt	tgctttccca	tctggtcctt	tgtaagtgtt	60
agcgtaaaga	tagttatgtt	gacatattta	aatatatgtt	gctgctgctg	tattttttaa	120
aaacataaat	gatactttat	tataaatatt	actctagtgt	ttgttttttg	tacataatat	180
gtgctggaaa	tttttttatg	tcagtatgtc	attcatatta	ttattgttat	tataaaaaata	240
ctacatgcac	aaggaaataa	aaattgaaag	atttaaaaatg	gaaagttgag	gaagatctaa	300
aatggaaaagt	gaaaaactcc	acctatcccc	aagttccatc	ccttagagggt	aactgctttt	360
cactgtattt	gcgttttatt	ctttgattac	ctcccctaacc	cttaaacata	tatatacttg	420
tacttttatt	tctttaataa	ctttaagcat	tcttggttgt	tgatcagtta	agaatgacag	480
aaacaggcag	attgctggag	cccggaaagt	tgagtccagc	ctgggcaaca	tggcaaaact	540
ctgtctctac	aaaaaataca	aaaaaaaaaa	aaaaaaaaagc	caggtaagcc	aggtatggtg	600
gcaaacaccc	g					611

[illegible]

```
<210> 8907
<211> 295
<212> DNA
<213> Homo sapiens
```

```
<210> 8908
<211> 200
<212> DNA
<213> Homo sapiens
```

```
<210> 8909
<211> 303
<212> DNA
<213> Homo sapiens
```

<210> 8910  
<211> 305  
<212> DNA

<213> Homo sapiens

<400> 8910

ttaccggcca	ggcgtggtgg	ctcacgcctg	taatcccagc	actttgggag	gccgaggcgg	60
gcagatcacg	agggtcaggag	atcgagacca	tcttggtctaa	catggtgaaa	ccccgtctct	120
actaaaaata	caaaaaatta	gcctggtgtg	gtggcgggca	cctgcagtc	cagctactcg	180
gaaggctgag	gcaggagaat	ggcggaacc	caggaggcga	aggctgcagt	gagctgagat	240
cgcgccactg	cactccagcc	tgggcgacag	agcgagactc	catctcaaaa	aaaaaaaaaa	300
agaaa						305

<210> 8911

<211> 326

<212> DNA

<213> Homo sapiens

<400> 8911

atgaaatagg	ccgggcgcg	tggctcacgc	ctgtaatccc	agcactttgg	gaggccgagg	60
cgggtggatc	atgaggtcag	gagatcgaga	ccatcctggc	taacaaggag	aaaccccgtc	120
tctactaaaa	atacaaaaaa	ttagccgggc	gcggtggcgg	gcgcctgtag	tcccagctac	180
tggggaggct	gaggcaggag	aatggcggtg	acccgggaag	cggagcttgc	agtgagccga	240
gattgcacca	ctgcagtccg	cagtcggggc	tgggcgacag	agcgagactc	cgtctcaaaa	300
aaaaaaaaaa	aaaaagaatg	aaataa				326

<210> 8912

<211> 319

<212> DNA

<213> Homo sapiens

<400> 8912

tttggccggg	cgcggtggct	cacgcctgta	atcccagcac	tttgggaggg	agaggcgggc	60
ggatcatgag	gtcaggagat	cgagaccatc	ctggctaaca	cagtgaacc	ccgcctctac	120
taaaaataca	aaaaattagc	cgggcggtgt	ggcgggcgcc	tgtagtccca	gctactcggg	180
aggctgaggg	gggagaatgg	cgtgaacccg	ggaggcggag	cttgcagtga	gccgagatcg	240
cgccactgca	ctccagcctg	ggcgacagag	cgagactccg	tctcaaaaaa	aaaaaagaaa	300
aaaaaaaaaa	agagcacaa					319

<210> 8913

<211> 163

<212> DNA

<213> Homo sapiens

<400> 8913

ctgggcgtgg	tggctcacgc	ctgtaatcct	agcactttgg	gaggccaagg	caggtggatc	60
acgaggccag	gagatcgaga	ccatcctggc	taacatggtg	aaaccccgtc	tctactaaaa	120
atacaaaaat	tagctgggca	tgggtggtgtg	tgctgtaac	ccc		163

<210> 8914

<211> 316

<212> DNA

<213> Homo sapiens

<400> 8914

gaattcttgg	ccgggacagg	tggctcacgc	ctgtaatccc	agcactttgg	gaggccgagg	60
cgggcggatc	acgaggtcag	gagatcgaga	ccatcctggc	taacacggtg	aaaccccgtc	120
tctactaaaa	atacaaaaaa	ttagccgggc	gtggtagcgg	gcgcctgtag	tcccagctac	180
tcgggaggct	gaggcaggag	aatggcggtg	acctggcagg	cggagcttgc	agtgagccga	240
gatcgcgcca	ctgcactcca	gcctgggtga	cagagcgaga	ctccgtctca	aaaaaaaaaa	300

aaaaaaaaa gaattc

316

<210> 8915  
<211> 305  
<212> DNA  
<213> Homo sapiens

<400> 8915  
gggcgcggtg gctcacgcct gtaatcccag cacttttgga ggccgaggcg ggcggatcac 60  
gaggtcagga gatcgagacc atcccagcta aaacggtgaa acccgtctc tactaaaaat 120  
acaaaaaatt agccgggcgt agtggcgggc acctgtagtc ccagctactt gggaggctga 180  
ggcaggagaa tggcgtgaac ccgggaggcg gagcttgagc tgagccgaga tcccgccact 240  
gactccagc ctgggcgaca gagcgagact ccgtctcaaa aaaaaaaaaa aaaaaaaaaa 300  
agaaa 305

<210> 8916  
<211> 300  
<212> DNA  
<213> Homo sapiens

<400> 8916  
cggtggctca cgctgtaat cccagcactt tgggaggccg aggcggggcg atcacgaggt 60  
caggagatcg agaccatccc ggctaaaatg gtgaaacccc gtctctacta aaaatacaaa 120  
aaattagccg ggcgtagtgg cgggcgcctg tgggtcccagc tacttgggaa gctgaggcag 180  
gagaatggcg tgaacccggg aggcgggagc tgcagtgagc cgagatcccg ccactgcact 240  
ccagcctggg cgacagagcg agactccgtc tcaaaaaaaaa aaaaaaaaaa aaacttgaga 300

<210> 8917  
<211> 316  
<212> DNA  
<213> Homo sapiens

<400> 8917  
aatttgttca attcgccggg gcgcggtggc tcacgcctgt aatcccagca ctttgggagg 60  
ccgaggcggg cggatcacga ggtcaggaga tcgagaccat ccgggctaaa acggtgaaac 120  
cccgtctcta ctaaaaatac aaaaaattag ccgggcgtag tggcggggcg ctgtagtccc 180  
agctacttgg gaggtgagg caggagaatg gcgtgaaccc gggaggcgga gcttgagtg 240  
agccgagatc ccgccactgc actccagcct gggcgacaga gcgagactcc gtctcaaaaa 300  
aaaaaaaaa aatttg 316

<210> 8918  
<211> 157  
<212> DNA  
<213> Homo sapiens

<400> 8918  
gtggtgactc cgctgtaatc acagcacttt gggaggccga gacaggtgga tcacgaggtc 60  
aggagatcga gaccatcctg gctaacacgg tgaaaccccg tctctactaa aaatacaaaa 120  
aaattagccg ggcattggtg cagggtgcctg tcgtccc 157

<210> 8919  
<211> 283  
<212> DNA  
<213> Homo sapiens

<400> 8919



cgcttgtaat	cccagcactt	tgggaaggccg	aggcggcccg	atcacgaggt	caggagatca	60
agaccatcct	ggctaacacg	gtgaaacccc	gtctctacta	aaaatacaaa	aaattagcca	120
ggcgtggtgg	cgggggcctg	tagtcccagc	tactcgggag	actgaggcag	gagaatggcg	180
tgaacccggg	aggtggagcc	tgcagtgagc	cgagatcgcg	ccactgcact	ccagcctggg	240
cgacagagcc	agactccatc	tcaaaaaaaaa	aaaaaaaaaaa	aaa		283

<210> 8920  
 <211> 1052  
 <212> DNA  
 <213> Homo sapiens

<400> 8920						
tcacgcctgt	aatcccagca	ctttgggagg	ccgaggcagg	tggatcacga	ggtaaggaga	60
tcgagaccat	cctggctaac	acggtgaaac	cccgtctcta	ctaaaaatac	aaaaaattag	120
ccgggcatgg	tggcaggcgc	ctgtggtccc	agttaccag	gaggctgagg	caggagaatg	180
gcgtgaaccc	gggaggcgga	gcttgcaagt	agccgagatc	gagccactgc	actccagcct	240
gggcaacaga	gctagactcc	gtctcaaaaa	aaaaaaaaaaa	ttattgttta	tatttgagat	300
gagaattctt	gatacathtt	ttggtatat	aaaaagttag	ataaattggt	tgtgcttta	360
catgtaaatt	gcacgttaga	ttcataaaat	tcactcttga	tttatttcta	gcacagtact	420
ttctattgaa	agcagtttac	tatcaagaaa	atctatcaaa	ggggatggaa	tcccattctt	480
cattttcatg	aattgtttta	aaaagtgttc	ttctggccag	ggtcggtggc	tcacacctgt	540
aatcccagca	ctttgggagg	tcgagggtgg	tggatcacga	ggtcaggaga	tcgagaccat	600
cctggccaac	atggtgaaac	ctcgtctctg	ctaaaaatac	aaaaatttgc	tgggtgtgac	660
cgcacgtgac	tgtaatccca	gctactcggg	aggctgaggc	aggagaatcg	cttgaacctg	720
ggaggcggag	gctgcagtga	accaagatcg	tgccgctgca	ctccagcctg	gcaacagagc	780
cagactccgt	ctggaaaaaa	aaacaaaaca	aaaaacaatg	ccgggcgcgg	tggctcacgc	840
ctgtaatccc	agcacttttg	gaggccgagg	caggcggatc	acgaggtcag	gagatcgaga	900
ccatcctggc	taacacggtg	aaaccctgtc	tctactaaaa	atacaaaaaa	ttagccgggc	960
gtggtggcag	gcgcctgtag	tcccagctac	tcgggaggct	gaggcaggag	aatggcatga	1020
acccgggag	cggaacttgc	agttagccga	ga			1052

<210> 8921  
 <211> 203  
 <212> DNA  
 <213> Homo sapiens

<400> 8921						
attttacctt	gtgccgggca	cggtggctca	cgcttgtaat	cccagcactt	tgggaggctg	60
aggcgggagg	atcaagaggt	caggagatcg	agaccatcct	ggctaacacg	gtgaaacccc	120
gtctctacta	aaaatacaaa	aaattagccg	ggcgtggtgg	cgggcgcctg	tagtcccagc	180
tactcgggag	gctgaggcag	gag				203

<210> 8922  
 <211> 293  
 <212> DNA  
 <213> Homo sapiens

<400> 8922						
gtggctcacg	cctgtaatcc	cagcacttgc	ggaggccgag	gtgggtggat	cacgaggatca	60
ggagatcgag	accatcctgg	ctaacacggt	gaaaccccgt	ctctactaaa	aatacaaaaa	120
attagctggg	tgtggtggcg	ggcgccgtga	gtcacagcta	cttgggagac	tgaggcagga	180
gaatggcatg	aacccgggag	gtgcagcttg	cagtgcagag	agatctcgcc	actgcactcc	240
agcctgggag	acagagcgag	acttcatctc	aaaaaaaaaa	agaaagaaag	taa	293

<210> 8923  
 <211> 295  
 <212> DNA

<213> Homo sapiens

<400> 8923

gtggctcatg	cctgtaatcc	cagcactttg	ggaggctgag	gcgggcggat	cacaagggtca	60
ggagattgag	accatcctgg	ctaataatggt	gaaaccccgt	ctctactaaa	aatacaaaaa	120
aattagccgg	gcgtgggtggc	acacgcctgt	aatcccagct	acttaggagg	ctgaggcagg	180
agaatggtgt	gaacccggga	ggcggagctt	gcagtgagcc	gagttcgggc	cactgcactc	240
cggcctgggc	aacagagcga	gactccgtct	caaaaaaaaa	aaaaaaaaaa	aaaaa	295

<210> 8924

<211> 138

<212> DNA

<213> Homo sapiens

<400> 8924

ggctaatagcc	tgtaatccca	gcactttggg	aggctgaggg	gggtggatca	ctagggtcagg	60
agctcgagac	catcctgggt	aacatggtga	aaccccgtct	ctactaaaaa	tacaaaaaaa	120
ttgaccgggt	gtgggtggc					138

<210> 8925

<211> 167

<212> DNA

<213> Homo sapiens

<400> 8925

gcctgtaatc	ccagcacttt	gggaggccga	ggcgggtgga	tcacgagctc	aggagatcaa	60
gaccatcctt	gctaacacgg	tgaaacccc	tctctactaa	aaagacaaaa	aattagctgg	120
acctggtggc	gggcgcctgt	agtcccagct	acttgggagg	ctgaggc		167

<210> 8926

<211> 300

<212> DNA

<213> Homo sapiens

<400> 8926

agcgcggtgg	ctcacgcttg	taatcccagc	actttgggag	gccaaggcgg	gaggatcatg	60
aggtcaggag	atccggacca	tcctggctaa	catggtgaaa	ccccgtctct	actaaaaata	120
caaaaaaatt	agccaggcgt	ggtggctggc	gcctgtagtc	ccagctactc	gggaggctga	180
ggcaggagaa	tggcgtgaac	ccgggaggcg	gagcttgacg	tgagccgaga	tcgcgccact	240
gcactccagc	ctgggcgaca	gagcaagact	ccgtctcaaa	aaaaaaaaaa	aagtgcaaac	300

<210> 8927

<211> 183

<212> DNA

<213> Homo sapiens

<400> 8927

tgtggtggct	cacgcctgta	atcccagcac	tttgggaggc	ggaggcgggt	ggatcacgag	60
gtcaggagat	cgagaccatc	ctggctaaca	tggtgaaacc	ctgtctctat	taaaaataca	120
aaaaattagc	tgggcgtggt	ggtgggcgcc	tgtagtccca	gctgctcagg	aggctgaggc	180
agg						183

<210> 8928

<211> 184

<212> DNA

<213> Homo sapiens

<400> 8928  
 gtgcagtggc tcacgcctgt aatcccagca ctttgggagg ccgaggtggg tggatcacga 60  
 ggtcaggaga tcgaggccat cctggcccac atggtgaaac ctctctctta ctaaaaatac 120  
 aaaagtttagc caggcatggt ggcattgtgcc tgtagtccca gctactcggg aggctgaggc 180  
 agga 184

<210> 8929  
 <211> 306  
 <212> DNA  
 <213> Homo sapiens

<400> 8929  
 tttaggccgg gcgcgggggc tcacgcctgt aatcccagca ctttgggagg ccgagggcggg 60  
 cggatcacga ggtcaggaga tcgagaccat cccgggctaaa acggtgaaac ccgtctctac 120  
 taaaaataca aaaaatttagc cgggcgtagt ggcgggcgcc tgtagtccca gctacttggg 180  
 aggctgaggc aggagaatgg cgtgaacccg ggagggcggag cttgcagtga gcggagatcc 240  
 cgccactgca ctccagcctg ggcggcagag cgagactccg tctcaaaaaa aaaaaataat 300  
 aataat 306

<210> 8930  
 <211> 294  
 <212> DNA  
 <213> Homo sapiens

<400> 8930  
 gcgcgggtggc tcacgcctgt aatcccagca ctttgggagg ctgagggcggg cggatcacga 60  
 ggtcaggaga tcgagaccat cctgggctaac acggtgaaac cccatctcta ctaaaaatac 120  
 aaaaaatttag ccgggcgagg tggcgggtgc ctgtagtccc agctactcgg gaggctgagg 180  
 caggagaatg gcgtgaaccc gggaagcggg gcttgcagtg agccgagatt gcgccattgc 240  
 actccagcct ggggtgacagc gagactccgt ctcaaaaaaa aaaaaaaaag aagt 294

<210> 8931  
 <211> 127  
 <212> DNA  
 <213> Homo sapiens

<400> 8931  
 ccaggagcag tggctcaggc ctgtaatccc agcactttgg gaggccgagg caggtggatc 60  
 accaggtcag gagaccgaga ccatcctggc taacatggtg aaaccccatc tctactaaaa 120  
 atacaaa 127

<210> 8932  
 <211> 299  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (18)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (27)  
 <223> n equals a,t,g, or c

<400> 8932  
taatcccagc acttttggnag gccgagncgg gcggatcacg aggtcaggag atcgagacca 60  
tcccggctaa aacggtgaaa ccccgctctct actaaaaata caaaaaatta gccgggcgta 120  
gtggcgggcg cctgtagtcc cagctacttg ggaggctgag gcaggagaat ggcgtgaacc 180  
cggaaggcgg agcttgagc gagccgagat cccgccactg cactccagct tgggcgacag 240  
agcgagactc cgtctcaaaa aaaaaaaaaa aaacaaaaca aacaaacaaa aaaaaacaa 299

<210> 8933  
<211> 321  
<212> DNA  
<213> Homo sapiens

<400> 8933  
gccgggtgcg gtggctcacg tcctgtaate ccagcacttt gggaggccga ggcgggtgga 60  
tcatgagggtc aggagatcga gaccatcctg gctaacaagg tgaaaccccg tctctactaa 120  
aaatacaaaa aattagccgg gcgcggtggc gggcgctgt agtcccagct actggggagg 180  
ctgaggcagg agaattggcg gaacccggga agcggagctt gcagtgcagc gagattgcgc 240  
cactgcagtc cgcagtcagg cctggggcgac agagcgagac tccgtctcaa aaaaaaaaaa 300  
aaaaaaaaag gaaaaaatac a 321

<210> 8934  
<211> 316  
<212> DNA  
<213> Homo sapiens

<400> 8934  
tcagccggcg cgggtggtca cgctgtaat cccagcactt tgggaggccg aggcgggagg 60  
atcacgaggc caggagatcg agaccatccc ggctaaaacg gtgaaacccc gtctctacta 120  
aaaatacaaa aaattagccg ggcgtagtgg cggcgccctg tgggtcccagc tacttggggag 180  
gctgaggcag gagaatggcg tgaacccggg aggcggagct tgcaagtgcg cgagatcccc 240  
ccactgcact ccagcctggg cgacagagcg agactccgtc tcaaaaaaaaa ataaaaataaa 300  
ataaaaaaaaa agaata 316

<210> 8935  
<211> 130  
<212> DNA  
<213> Homo sapiens

<400> 8935  
cctgtaatcc cagcactttg ggaggccgag gcgggcagat cacgaggta ggagatcgag 60  
accatcctgg ttaacatggg gaaaccccat ctctactaaa aatacaaaaa aaagttagcc 120  
gggcgtggtg 130

<210> 8936  
<211> 257  
<212> DNA  
<213> Homo sapiens

<400> 8936  
tcacacctgt aatcccagca ctttgggagg ccgaggcggg tggatcacga ggtcaggaga 60  
tcgagaccat cctggctaata acggtgaaag cccgtctcta ctaaaaatac aaaaaattag 120  
ccgggcgtgg tggcgggac ctgtggtccc agctacttcg ggaggctgag gcaggagaat 180  
ggtgtgaacc cgggaggcag agcttgagc gagccaagat cgcgccactg cattccagcc 240  
tgggcgacag agcgaga 257

<210> 8937

<211> 102  
<212> DNA  
<213> Homo sapiens

<400> 8937  
cccagcattt tgggaggccg aggcgggcag atcacgaggt caggagatcg agaatatctt 60  
ggccaacatg gtgaaacccc gtctctacta aaaatacaaa aa 102

<210> 8938  
<211> 318  
<212> DNA  
<213> Homo sapiens

<400> 8938  
gactcacggg cgggcgcggt ggctcacgcc tgtaatccca gcactttggg aggccgaggg 60  
gggtggatca tgaggtcagg agatcgagac catcctggct aacaagggtga aaccccgtct 120  
ctactaaaaa tacaaaaaat tagccaggcg cggtgggcggg cgcctgtagt cccagctact 180  
cgggaggctg aggaggaga atggcgtaga cccgggaagc ggagcttgca gtgagccgag 240  
attgcgccac tgcagtccac agtccggcct gggtgacaga gcgagactcc gtctcaaaaa 300  
aaaaaaaaaa aaaaaaaa 318

<210> 8939  
<211> 298  
<212> DNA  
<213> Homo sapiens

<400> 8939  
gcgggggtca cgcctgtaat cccagcactt tgggaggctg aggcgggcag atcacaaggt 60  
caggagatcg agaccatcct ggctaacatg gtgaaacccc atctctacta aaaatacaaa 120  
aaattagccg ggcgtggtgg cgggcccctg tagtcccagc tatttgggag gctgaggcag 180  
gagaatggag tgaatccggg aggcagagct tgcagtgagc tgagatcgtg ccactgcatt 240  
ccagcctagg cgacagagcc agactctgtc tcaaaaaaaaaa aaaaaaaaaa aaaaaatt 298

<210> 8940  
<211> 140  
<212> DNA  
<213> Homo sapiens

<400> 8940  
ttctcacgcc tgtaatccca gcactttggg aggccgaggt ggggtggatca cgaggtcagg 60  
agatcgagac catcctggct aacatggtga aaccccgtct ctactaaaaa aacacaaaaa 120  
attagctggg catggtggca 140

<210> 8941  
<211> 306  
<212> DNA  
<213> Homo sapiens

<400> 8941  
ccttcgcggc gggcacagtg gcttacgcct gtaatcccag cactttggga ggccgaggca 60  
ggcggatcac gaggtcagga gatcgagacc atcctggcta acacgggtga accccgtctc 120  
tactaaaaat acaaaaaatt agctgggcgt ggtggcaggc gcctgtagtc ccagctactc 180  
aggaggctga ggcaggagaa tggcatgaat ccgggaggca gagcttgccg tgagctgaga 240  
tcgtgccact gcactccagc ctgggcgaga gagcaagact ccgtctcaaa aaaaaaaaaa 300  
aaagaa 306

<210> 8942  
 <211> 223  
 <212> DNA  
 <213> Homo sapiens

<400> 8942  
 tggctcacgc ctgtaatccc agcacttttg gagtccgagg caggtggatc acgagggtcag 60  
 gagatcgaga ccatcctggc taacatgggt aaaccccgtc ttactcaaa atacaaaaaa 120  
 attagccagg catggtggcg ggcgcctgta gtcccagcta ctctggaggc tgaggcagga 180  
 gaatggtgtg aacccccgag gaggagcttg cagtgaagccg aga 223

<210> 8943  
 <211> 143  
 <212> DNA  
 <213> Homo sapiens

<400> 8943  
 atcccagcac tttgggaggc tgaggcgggc ggatcacgag gtcaggagat ccagaccatc 60  
 ctggcctaaca tgggtgaaacc ccgtctctac taaaaatata aaaaaattag ccaggcatgg 120  
 tggcgggtgc ctgtagtccc agc 143

<210> 8944  
 <211> 1575  
 <212> DNA  
 <213> Homo sapiens

<400> 8944  
 tggggccaggc gcggtggctc acgcctgtaa tcccagcact tagggaggct gaggcgggagc 60  
 gatcacgagg tcaggagatc gagaccatcc tggctaaccat ggtgaaaccc catctctact 120  
 aaaaatacaa gaaaattagc cgggcgtggg ggcaggcgcc tgtagtccca gctaatacggg 180  
 aggctgaggc aggagaatgg cgtgaacctg cgagggtggag cttgcagtaa gctgagatta 240  
 cgccactgca ctccaacctg ggtgacagag tgagactctg tctcaaaaaa aaaaaaaaaat 300  
 tccaacccct ttacactggg tcagtatatatt gaaatatata aactttcact tgggaattat 360  
 tttttacctt tgcaccata tttgcctgaa gccgtttaag ttgtcgaagt cgcagtgtatt 420  
 cagattttcac tttttttttc cagtaagtga tacattttgga ggtaggggga tttggtattt 480  
 ccattcttgc gtaattctaag agagacagag atgagaaata gcattttatt gcctggaaat 540  
 aaagcattcc tcaaatataa aaaaaaaaaa aagatcaatt atgctttcat tcccattaaa 600  
 tttactcata aaaacacaca tttaaagaac ccaaattgtgt gagttcaaca gaaagtttca 660  
 atttaaaaaa aagaggcagg ggctcacacc tgtaaaaacca acactttagg aagccgagg 720  
 gagagcacta cttgagccca gtgatttgag acaaccttgg gcaacatggt gaaaccccat 780  
 ctctacagaa aatacaaaaag ttagccagat gtgttgcca gtgcctgtag tcccagctac 840  
 tcaggaggct gatgtgggag gactgcttga gcccaggagg tcaaggctgc attgagccgt 900  
 gaccacgcca ctgcacttca gcctgagtga cagagtgaga ccttgtctca aaaaacaaaa 960  
 caaaacaaaa aaacaaaaaa caacaagaag tccaggcacg gtggctcacg cctgtaatcc 1020  
 cagcactttg ggaggccaag gtgggtggat cttctgaggc cagtagttca agactagcct 1080  
 ggccaacata gtgaaacccc gtctctacta aaaatacaaa aaaaaaaaaa aattagtcgg 1140  
 gcatggtggc ttgtgcctgt aatcccagtt atgtgggaag ctgagacacg agaatttctt 1200  
 gaacctggga ggtggaagtt gcagtaagcc gagatcgcac cactgcactc cagcctgggt 1260  
 gacacagtga gactccatct caaaaaagaa aaaaaaaaaa gtccgggcat ggtgattcat 1320  
 gcctgtaatc ccagcacttt gggaggccaa ggtgggtgga tcacgaggctc aggagttcaa 1380  
 gaccagcctg gccaaagatgc tgaaaccccg tctctactaa aaatacaaaa attagctgga 1440  
 tgtggtggca cagcctata atcccagcta ctcagggtggc tgaggcagga gaatggcttg 1500  
 aaaccgggag gtggaagttg cagtgaaccg agatcacatc actgcactcc agcctgggagc 1560  
 acagagcaag actcc 1575

<210> 8945  
 <211> 279  
 <212> DNA

<213> Homo sapiens

<400> 8945

ccccgcctg	taatcccagc	actttgggag	gccaaggcgg	gcggatcacg	aggtcaggag	60
atcgagacca	tcctggctaa	cacggtgaaa	ccccttctct	actaaaaata	caaaaaatca	120
gccgggcgtg	gtggcgggcg	cctgtagtcc	cagctactca	ggaggctgag	gcgagagaat	180
ggcgtgaacc	cgggaggcgg	acttgacgtg	agccgagatg	gcgccactgc	actccagcct	240
gggcaacaaa	cagagcaaga	ttccgtctca	aaaaaaaaa			279

<210> 8946

<211> 146

<212> DNA

<213> Homo sapiens

<400> 8946

ctggtgcggt	ggctcacgcc	tgtaatccca	gcactttggg	aggccgaggc	gggtgggatca	60
caaggtcagg	agatcaagac	catcctggct	aacatgggtga	aacactgtct	ctactaaaaa	120
tacaaaaaat	tagccgggct	aggttg				146

<210> 8947

<211> 271

<212> DNA

<213> Homo sapiens

<400> 8947

cactttggga	ggctgaggcg	ggcggatcac	gaggtcagga	aatcgagtcc	atcctggcta	60
acatggtgaa	accccgctctc	tactaaaaat	acaaaaaatt	agccgggcgt	gctggtgggc	120
gtctgtagtc	ccagctactc	aggaggctga	ggcaggagaa	tggcgtgaac	ccgggaggcg	180
gaggttgacg	tgagctgaga	tcgcgccaca	gcaactccag	cctggggcgac	agagcgagac	240
tctgtctcaa	aaaaaaaaaa	aaaaaagaaa	a			271

<210> 8948

<211> 296

<212> DNA

<213> Homo sapiens

<400> 8948

gcctgtaatc	ccagcacttt	gggaggctga	ggcgggcgga	tcacgaggtc	aggagatcga	60
gatcattctg	gctaacatgg	tgaaaccccg	tctctactaa	aaatacaaaa	aaaattagcc	120
gggcgtggta	gcggggcgct	gtagtccag	ctactcgga	ggctgaggca	ggagaatggc	180
gtgaaccccg	gaggcgagc	ttgcagtga	ccaagacagc	gccactgcag	cccagcctgg	240
gcgaaagagc	aagactctgt	ctcaaaaaaa	aaaaaaaaaa	aaaaaaagga	aggaaa	296

<210> 8949

<211> 270

<212> DNA

<213> Homo sapiens

<400> 8949

ggaggccgag	gcgggtggat	catgaggtea	ggagatcgag	accatcctgg	ctaacaaggt	60
gaaaccccg	ctctactaaa	aatacaaaaa	attaaccggg	cccgtggcg	ggcgctgta	120
gtcccagcta	ctcgggaggc	tgaggcagga	gaatggcgtg	aaccaggag	gcggagcttg	180
cagtgaagcg	agattgcgcc	actgcagtcc	gcagtctggc	ctgggcgaca	gagcgagact	240
ccgtctctaa	aaaaaaaaaa	aaaaaaaaaa				270

<210> 8950



1. Personal Information	
Name	Age
John Doe	25
Jane Smith	30
Bob Johnson	22
Alice Brown	28
David White	35
Emily Green	20
Michael Black	32
Sarah Grey	27
James Blue	24
Olivia Red	29
William Yellow	21
Isabella Purple	31
Benjamin Orange	26
Maria Pink	33
Robert Silver	23
Charlotte Gold	28
Christopher Iron	25
Amanda Copper	30
Matthew Zinc	22
Stephanie Nickel	27
Anthony Lead	34
Victoria Tin	20
Gregory Platinum	36
Michelle Palladium	24
Andrew Rhodium	29
Rebecca Silver	21
Joseph Gold	32
Katherine Iron	26
Thomas Copper	31
Christina Zinc	23
Charles Nickel	28
Benjamin Lead	25
Sophia Tin	30
William Platinum	22
Olivia Palladium	27
James Rhodium	34
Isabella Silver	20
Benjamin Gold	36
Maria Iron	24
Robert Copper	29
Charlotte Zinc	21
Christopher Nickel	32
Amanda Lead	26
Matthew Tin	31
Stephanie Platinum	23
Anthony Palladium	28
Victoria Rhodium	25
Gregory Silver	30
Michelle Gold	22
Andrew Iron	27
Rebecca Copper	34
Joseph Zinc	20
Katherine Nickel	36
Thomas Lead	24
Christina Tin	29
Charles Platinum	21
Benjamin Palladium	32
Sophia Rhodium	26
William Silver	31
Olivia Gold	23
James Iron	28
Isabella Copper	25
Benjamin Zinc	30
Maria Nickel	22
Robert Lead	27
Charlotte Tin	34
Christopher Platinum	20
Amanda Palladium	36
Matthew Rhodium	24
Stephanie Silver	29
Anthony Gold	21
Victoria Iron	32
Gregory Copper	26
Michelle Zinc	31
Andrew Nickel	23
Rebecca Lead	28
Joseph Tin	25
Katherine Platinum	30
Thomas Palladium	22
Christina Rhodium	27
Charles Silver	34
Benjamin Gold	20
Sophia Iron	36
William Copper	24
Olivia Zinc	29
James Nickel	21
Isabella Lead	32
Benjamin Tin	26
Maria Platinum	31
Robert Palladium	23
Charlotte Rhodium	28
Christopher Silver	25
Amanda Gold	30
Matthew Iron	22
Stephanie Copper	27
Anthony Zinc	34
Victoria Nickel	20
Gregory Lead	36
Michelle Tin	24
Andrew Platinum	29
Rebecca Palladium	21
Joseph Rhodium	32
Katherine Silver	26
Thomas Gold	31
Christina Iron	23
Charles Copper	28
Benjamin Zinc	25
Sophia Nickel	30
William Lead	22
Olivia Tin	27
James Platinum	34
Isabella Palladium	20
Benjamin Rhodium	36
Maria Silver	24
Robert Gold	29
Charlotte Iron	21
Christopher Copper	32
Amanda Zinc	26
Matthew Nickel	31
Stephanie Lead	23
Anthony Tin	28
Victoria Platinum	25
Gregory Palladium	30
Michelle Rhodium	22
Andrew Silver	27
Rebecca Gold	34
Joseph Iron	20
Katherine Copper	36
Thomas Zinc	24
Christina Nickel	29
Charles Lead	21
Benjamin Tin	32
Sophia Platinum	26
William Palladium	31
Olivia Rhodium	23
James Silver	28
Isabella Gold	25
Benjamin Iron	30
Maria Copper	22
Robert Zinc	27
Charlotte Nickel	34
Christopher Lead	20
Amanda Tin	36
Matthew Platinum	24
Stephanie Palladium	29
Anthony Rhodium	21
Victoria Silver	32
Gregory Gold	26
Michelle Iron	31
Andrew Copper	23
Rebecca Zinc	28
Joseph Nickel	25
Katherine Lead	30
Thomas Tin	22
Christina Platinum	27
Charles Palladium	34
Benjamin Rhodium	20
Sophia Silver	36
William Gold	24
Olivia Iron	29
James Copper	21
Isabella Zinc	32
Benjamin Nickel	26
Maria Lead	31
Robert Tin	23
Charlotte Platinum	28
Christopher Palladium	25
Amanda Rhodium	30
Matthew Silver	22
Stephanie Gold	27
Anthony Iron	34
Victoria Copper	2

```
<210> 8951
<211> 100
<212> DNA
<213> Homo sapiens
```

```
<210> 8952
<211> 281
<212> DNA
<213> Homo sapiens
```

```
<210> 8953
<211> 319
<212> DNA
<213> Homo sapiens
```

```
<210> 8954
<211> 311
<212> DNA
<213> Homo sapiens
```

6611

1. Personal data	
1.1. Name	1.2. Address
1.3. Telephone	1.4. E-mail
1.5. Date of birth	1.6. Date of registration
1.7. Date of completion	1.8. Date of completion
1.9. Date of completion	1.10. Date of completion
1.11. Date of completion	1.12. Date of completion
1.13. Date of completion	1.14. Date of completion
1.15. Date of completion	1.16. Date of completion
1.17. Date of completion	1.18. Date of completion
1.19. Date of completion	1.20. Date of completion
1.21. Date of completion	1.22. Date of completion
1.23. Date of completion	1.24. Date of completion
1.25. Date of completion	1.26. Date of completion
1.27. Date of completion	1.28. Date of completion
1.29. Date of completion	1.30. Date of completion
1.31. Date of completion	1.32. Date of completion
1.33. Date of completion	1.34. Date of completion
1.35. Date of completion	1.36. Date of completion
1.37. Date of completion	1.38. Date of completion
1.39. Date of completion	1.40. Date of completion
1.41. Date of completion	1.42. Date of completion
1.43. Date of completion	1.44. Date of completion
1.45. Date of completion	1.46. Date of completion
1.47. Date of completion	1.48. Date of completion
1.49. Date of completion	1.50. Date of completion
1.51. Date of completion	1.52. Date of completion
1.53. Date of completion	1.54. Date of completion
1.55. Date of completion	1.56. Date of completion
1.57. Date of completion	1.58. Date of completion
1.59. Date of completion	1.60. Date of completion
1.61. Date of completion	1.62. Date of completion
1.63. Date of completion	1.64. Date of completion
1.65. Date of completion	1.66. Date of completion
1.67. Date of completion	1.68. Date of completion
1.69. Date of completion	1.70. Date of completion
1.71. Date of completion	1.72. Date of completion
1.73. Date of completion	1.74. Date of completion
1.75. Date of completion	1.76. Date of completion
1.77. Date of completion	1.78. Date of completion
1.79. Date of completion	1.80. Date of completion
1.81. Date of completion	1.82. Date of completion
1.83. Date of completion	1.84. Date of completion
1.85. Date of completion	1.86. Date of completion
1.87. Date of completion	1.88. Date of completion
1.89. Date of completion	1.90. Date of completion
1.91. Date of completion	1.92. Date of completion
1.93. Date of completion	1.94. Date of completion
1.95. Date of completion	1.96. Date of completion
1.97. Date of completion	1.98. Date of completion
1.99. Date of completion	1.100. Date of completion

```
<210> 8956
<211> 277
<212> DNA
<213> Homo sapiens
```

```
<210> 8957
<211> 17946
<212> DNA
<213> Homo sapiens
```

6612

tgagacagtt	gatctgataa	ctgcgttggc	tactaagtaa	caggctggca	gcattccacag	1680
catggacacg	ctggacaaa	ggatggctcg	cagtttttgt	aatggcaaaa	atttcatcac	1740
actactcaga	gcgacatgta	gtttaaaact	tacgacttgt	ttatttcttg	aattttccat	1800
ttagtatttt	tgaaccggag	ttgacctggt	ataactgaaa	ttacagaaag	tgaaacgtgg	1860
ctaacggggg	gctagtcctt	cagtcattcc	caagcccttc	accaactctg	ccctgtattt	1920
cagatcaccg	aagtggcctt	ggagtacaac	aactgtcatg	gggaccaggt	ggtggagcgt	1980
ctccttcagc	acctgcggcg	ggtggatgct	ccagtgtctg	agtccctggc	cctggaagtg	2040
ccggcacagc	tgccagaccc	gccaacgata	acagcgtccc	cctgctgcaa	cactgtgggtg	2100
ctgccccagt	ggcactcctt	ctccaggacc	cacaacgtct	gtgaactctg	tgtcaaccag	2160
acctccgggg	gcatgaagcc	gagctcggtc	agcgtgccac	agtgcagctt	ttttgaaatg	2220
gcagcagctc	tggattcttt	ctacctcaag	gagcagacct	tttatcatgt	ggcatcagac	2280
agcatagaat	gcagcaattt	tttaacttcc	tatagccctt	tcagctacta	cactgcatgt	2340
tgcaggacca	taagcagggg	tgtgtcaggc	ttcatcgact	ctgaacaagg	tgtctttgaa	2400
gccccctactg	ttgcattttt	ttcccttgag	aagaaatgtg	aggttgatgc	cccaagctcc	2460
gttctctaca	ttgaggagaa	caggtatctc	tttccagaag	tggacatgac	tagcacaac	2520
ttcacaggcc	tgagctgcag	aaccaacaag	actctcaaca	tctacctttt	ggattcaaat	2580
ttgttttggg	tatatgcaga	gagactgggt	gctccgagct	ccactcaggt	gaaagaattt	2640
gcggcaattg	ttgacgtgaa	agaagaatct	cattacatct	tggatccaaa	gcaagcactg	2700
atgaagctca	ccctagggtac	tgcaggcagt	ttatttcccc	aagcattgta	cattttgctt	2760
gacttcatat	gggtaaattt	tattgatggc	tctcattaca	tttagttgtg	gggtgatgtc	2820
accttcgtag	ctcattttta	gtcttttagc	caccatcagt	cataattttt	aaagaagcta	2880
attttgtcta	ttaaatggaa	cagaaacttc	ctcactctga	attttggata	agtttgtcat	2940
ttagccctag	gtggggggtta	gagtcctact	ttctaaattg	gcgatttctg	tcacatgtct	3000
aaggtagaac	cagctgcagg	cagtggggac	ttggggacta	gaacaggcag	ggaggtggag	3060
agctattctg	gtgggatgtc	ctaggggctg	atgaaagtga	gccttgacag	cagctttgtt	3120
ctaaaggagc	ttaaagagaa	agcagtggcc	gggcgcagtg	gctcacgcct	gtaatcccag	3180
cactttggga	ggccgaggcg	ggtggatcac	gaggtcagga	gatcgagact	atcctggcta	3240
atgtggtgaa	accccgctct	tactaaaaat	acaaaaaaa	aaaaaattag	ccggggcgct	3300
tggcgggcgc	ctgtagtccc	agctactcgg	gaggtctagg	caggagaatg	tcgtgaacct	3360
gggaggcaga	gcttgcaagt	agcagagatc	gcgccctgc	actccagcct	gggcgacaga	3420
gcaagactcc	gtctccaaaa	aaagagagca	gtgaagaagg	aagtagagcc	gccttgcttc	3480
cctttttgtc	tcataggctt	aaatgtctaa	ggatcaaggc	caccagacct	aatttgttct	3540
gctgctgttt	cataatgtac	tgagtaatat	tgctgggacc	tgggggtacct	acactgtaac	3600
aagtgtaaag	tgcaataaaa	taagtgtcag	tcgcaaacca	gcaaaaccca	ctttttgagg	3660
agtaaggctc	catgatgaga	aagcaccag	agcttgcccc	tgggacttgg	cagcaacatt	3720
gggctgacct	accctggcct	gttcccagga	atttgctgat	gccttgact	acacacaatg	3780
aagtgagaat	tcaaaagcca	cgttagttca	gcctcattgg	aaacgggagg	gagggtcagt	3840
gtatgccgaa	tggagaaagg	aggaatttgg	tagggaagga	aacctttcat	ttcaagtttt	3900
aaagtatgaa	ctcaacagta	gactcagagc	ttctacatat	gagtcctttt	agccatcctc	3960
tttcaaatct	aggtgaagct	tgtttcttac	attagacaca	tttgtgaaaa	ggctttatgt	4020
aaatattgat	ttttctatat	caagttacat	attataaatc	caagagttcc	tcactgtgta	4080
aaagaacctt	gtgaccagtc	actttttgaa	gggcataaat	ctgtcgatat	tatagattac	4140
tccaatttca	tgttatctaa	agtcattttg	atgtgttgag	ctttcttaaa	atgaaacaag	4200
catttttttt	ttaaatggga	aagagactcc	agagaaatgg	ggtcagtgtt	cctacaagca	4260
tgtatttttg	aggtagtctg	tattagattt	tcctgaattc	cattcagtaa	tgtctcagtg	4320
tttaatgacc	tcataatgtg	ttcactttga	atttaagggg	aattgaaaga	agccttcttt	4380
agattttctt	ccatcttctg	tatcttctct	gaaatgttta	gcctagctgt	tccttgtcct	4440
gcagtttagt	acagaattct	tagggagctt	gtaaaaaaca	cctactgtgt	gtcattgttg	4500
gttttagagc	ttaaactcata	aatcagctgt	ctctaggcta	gtttcagaat	ttaggcttta	4560
ttcagattag	gaaataattc	ttggtttcat	gtttcaaaaa	catagccaac	taagtgtttc	4620
tcagatgctg	atcatgaatt	ctcttttagta	ttcacatgac	attcttcact	tcctcttcca	4680
ttctgcacgc	tgcatgtccc	attgcacctc	aaaatggagg	gagttagaag	aaagaaaaag	4740
aactgaaact	ttagctgagt	gcaatgggtg	acgcctgtag	tcccagctac	tctggaggct	4800
gaggtaggag	gatcgcttga	gcccaggagt	ttaaaggctac	agtgcagctat	gattgcagca	4860
ctgtactcca	gcctgggcaa	cagagtgaga	ccctgtctct	ttaaaaaaa	aaaaaaaagt	4920
gaaattcaaa	ttagtattgt	ttcagatgaa	gcaaaggact	ctgaagatgg	cagaatttgt	4980
tgtaaaactg	ttggttcaaa	tcaggttttt	gattattatg	ggttttatgt	atttttccac	5040
tacatatata	tttttcttaa	cctttaaaaa	aagaaactta	aagaacctta	ataaaggaaa	5100
caaaaaactg	tagctccttg	tcctcaaatt	aatgagcatt	taaacacatt	ccacactact	5160
gtagcttgtg	cagttgtcac	atttgtgggt	aagcttaaa	gtcttagtat	tatagggtga	5220
aatttcttga	aaagatgggtg	gcttgtttgat	gatttatata	gtctcacttg	gtgtctattt	5280

gtggaccagt	ccttttaaaa	aaagaatagt	ctatgaatat	tagagcatct	aacattgcat	5340
agtgttttgt	tatccacatt	actgtctgct	gagttaatac	taccagagct	aaacctgatg	5400
ccaccggggc	agctttgttt	gggggttttg	tgatagggtga	aatgttaaaa	atgtgagcct	5460
atgaagtcac	ttgagttttt	aaaatgtgga	gtttaaaaagt	aggccagcta	ttctctttgt	5520
atctagagga	gagttgatct	cattttctct	ttatttttag	agtcttttat	tcaaaaacttc	5580
agcgttctct	atagtcctct	gaaaaggcat	ctcattggaa	gtggctctgc	ccagttccccg	5640
tctcagcatt	taatcactga	agtgacaact	gatacctttt	gggaagtagt	ccttcaaaaa	5700
caggtatgga	gtcatgagag	gcaaaagtta	agccatctgt	ccctcttaaa	ataatttcca	5760
aactacagtt	gttgggggtga	gcagctgttt	ttgatgtata	gaagagtaac	cacgtgatgg	5820
cccaattatg	gaccgtgaat	gaattacatg	tgggtttttaa	atttcagaaa	agtgtctccag	5880
aaagcacagt	attggaaaga	cctaaagatg	aaaattttca	ctgtaatat	tgcataagga	5940
gcatttttctg	gggtgcttgc	ggattctaa	caatgaggaa	agaaatgaag	aagagcccat	6000
ttcccgggtgc	aagtaacatc	tgtcttccct	ttcccacagg	acgttctcct	gctctattac	6060
gctcctgtgg	gcggtctctg	tccatccctc	aatcacatct	tcattccagct	agctcgggaa	6120
ctgcccattgg	acacattcac	tgtggcaagg	taagcaggcc	tcttctgcag	cgctttggggc	6180
tgtatgcccc	ttttcactct	tatttgcagc	ttagccatat	ggtgtgtgag	ggtctgcccc	6240
ttttccatta	acctttggta	ggacttggct	gaatttaatt	gtcaggttga	agccatgagc	6300
aaagcctctt	tgaactgaa	cttttccctc	tgaattctga	gtgttccttc	catgatgttg	6360
atgttttagcc	ctgactagat	tcgtagggtg	ctgagtgagc	ttctgtgggg	agagcactga	6420
cctggttgcc	aggatggccc	cgtggaatac	catgggacag	ttgccccagg	caatgccagt	6480
gggtcctggg	atcccaagca	gatctctcca	ccagccctgg	tttatctcat	ttgtgaaatt	6540
aaaaggaaa	accaatagat	atccacattc	tggtattgtg	attccatggg	tactgtatgt	6600
gcgcttttga	gtaaacaaaa	tttttaaaaa	tatttttttg	gaaaagaagg	ctcaaatata	6660
gagtcctttag	atggggtagt	aagcagtttt	gggtgaggaa	aactgttcac	atttaacccc	6720
ccacctcccc	caaaacccta	cagatagata	agagttaa	ataaaaaaat	caaaacaaaa	6780
aataggattt	gctgattcct	ctgggagatg	gaaactttcc	aaagtggaa	cagttggaaa	6840
aataaagaga	gaaaaatgga	cagattccac	tagaaatacg	tgcagtga	acagggaaa	6900
cagacaaaaa	gggggaccat	taatatattt	tccagtgtct	ctgtgtcacc	tggttatatgc	6960
actgtaagta	ataattagaa	tcaaactctga	ggagttaact	tggtgggaga	gttttttgata	7020
tacatattac	ctgactgagt	ccttgcgacg	cttagtgaag	gcactctagt	taaaaaaaga	7080
aagtgtctatt	tgtgttgagg	aggaactga	gacatagaaa	gattcgacaa	gttgcccaga	7140
gtttcaagct	gcaaattgagg	ggccaggatt	aatcaggca	ttcatactcc	agcctccccg	7200
gaaattaaaa	tggtttagaa	gatggctgag	accgattcca	ttctgaacaa	aggatgtgag	7260
caggtttttc	ttttaagagg	agagagtaaa	taaacaagt	gggaaattat	aacctaat	7320
atgtaaatta	aaacagtaac	aaagtatcat	ttacatatt	aaagtaatca	gtggttttta	7380
gtgacagaat	cttgtgttga	taaaataaaa	tggaaactgc	agtcagatgt	atctaattgga	7440
atgagtacat	tgccataact	cttttgga	gcattttggc	aacattttaca	agaaatcaac	7500
aaaaacagtt	aacacatttt	tgaccagtt	aattttactt	tggagaagta	atggaatagg	7560
aattccgaag	aagcatgagc	tcattcattat	agcattgttt	acatccacca	ggagatgaat	7620
gtttaagtaa	attatggctg	ggcattta	ggaattttta	tccttcaaca	gtgcttttca	7680
tacagtta	ggaaaaga	agagtatgaa	atatatgaca	actcttctta	aaaatatgta	7740
aggatatagg	cgaggtgcag	tggctcatgc	ctgtaatccc	agcatgttgg	gaggccgagg	7800
tgggaggatc	acctgaggcc	aggagtctga	gaccagcctg	gccaacatag	tgaaaacctg	7860
tctctactaa	aaataaaaaa	ttagccaagt	gtggcggcac	gtgcctgtag	tcccaactac	7920
tcaggaggct	gaggcaggag	aatcacttga	atccagcagc	cggagggttac	agggagctga	7980
gattgcacca	ctgcattcca	gcctgggcga	cagagcaaga	ctgtgtctca	gaaaaaaaaa	8040
agtaagcata	tagaccaagc	ctgcagcctg	cataagaaag	gggggcctta	tttagcccaa	8100
tggaattctg	atgtggatttt	gacaatgttt	taattttata	gtttgctttc	tttgaagtaa	8160
gaatcaagt	agaaaaagca	tttaattatg	gaatatagtg	ttcactccca	cttgttttaga	8220
aaggaacact	aatgttttag	gtaggctggc	acaggtgagg	caggagtgtc	gttttgttag	8280
taaaacttttg	gtaaatgggt	ttcatttggg	tatgcctttt	gttgctgttg	ttgttttttg	8340
tttttgtttt	tttttttgag	atggagtctt	gctctgttgc	ccaggctgga	gtgcagaggt	8400
gcaatctcag	ctcactataa	gctccgcctc	ccgggttcac	gccattctcc	tgccctcagcc	8460
tcccagtagt	ctgggactac	aggegccegc	cattatgccc	agctaatttt	ttgtattttt	8520
agtagagacg	gggtggcggtt	caccgcgtta	gccaggatgg	tctcgatcac	ctgacctcgt	8580
gatctgcctg	cctcggcctc	ctaaagtgtc	gggattacag	acgtgagcca	ccacgcccgg	8640
cgttgttgtt	tttttgagac	aggggtctcac	tctgttgc	aggctggaat	gcagtgggtgc	8700
aatcacagct	cactgcagcc	ccaacctccc	aggttcaggt	gattctccca	ccttcccaag	8760
tagctgggac	tacaggcatg	tgccagaata	cccggccaat	ttttttaga	gacagggttt	8820
ccccatgttg	cccaggctag	tctcgaactc	ctgggtctca	acagtccacc	cacctcgcc	8880
tcccaaagt	ttggattttac	aggcgtgagc	ccctgtgctc	agcctggttg	tgccattttt	8940

tgaaaagcaa	atttcaccc	tttggacaca	tacatgacac	ttaccgcacc	ctcactcccc	9000
ccagttatgc	tttctaaaaa	cttctgtcaa	ggtaaagatt	gaaaacatgt	tcactcttttg	9060
tgtgcactgt	ttatgaatag	tagctgaata	gccccctccg	aaggaggatg	cagccccttc	9120
cataaaggat	gctgtgtggt	ctccatgtct	gcttagcccg	agtgtgggcg	cccagctgtg	9180
tgcccagctc	tgtgccagct	gcccggggca	ggcctctaga	gcagttgctg	ttagctccca	9240
cagtgaattga	gcacaggctg	ggtgagttag	tacagatgtc	atcttctgtg	ttagaaaatt	9300
aatgtcaaat	ctgctaagaa	aataggctgt	ttttgggtct	tatccagatt	tacaacataa	9360
agagggtata	atcttccatc	ttcagagggg	cttgatgtat	tttgctcaat	gatttccttt	9420
cttttcccag	agctattcag	ggattaaaa	acttggtcag	atcctgtcag	gtgaggagtg	9480
aatgactcct	caggtgtcag	tgcggcattt	tctgcaagtt	catttttact	ttcaggacat	9540
cacattgccca	ctcagtgga	agcgtccacg	tagtagaatg	ttgtatgtct	tggaagtatc	9600
agcgcaccag	tcacacctgg	tagtacattc	atcgagaagg	gactagccca	atgtgggggtg	9660
taaaaaatgc	accaggttct	tgaagttatc	tgagaagggt	ctttcaagtt	ggtgtttctt	9720
gggctgatca	tctgccattt	ctgttctttc	cctttaccag	gattgacgtg	tctcagaatg	9780
accttccttg	ggaatttatg	gtcgatcgtc	ttcctactgt	cttgtttttt	ccctgcaaca	9840
ggtaatgccca	aattttttgt	actggtgggc	agttgggatt	cttttgtgga	ggtctgaaaa	9900
tgaaatgggt	ttaagatgta	aatcattcat	tatgttcaaa	aaatgttccc	ttaggaacca	9960
ggcgtgggtg	ctcatgcctg	taatcccagc	actttgggag	gctgaggcag	gcagattgct	10020
tgagctcaag	aggttgagac	cagcctggcc	gacatggtga	aaccccatca	gtacaaaaaa	10080
tacaaaaatt	agccaggcat	ggtgacatat	gcttgtaatc	ccagctactc	tgaggctgag	10140
gcacgagaat	ctcttgaacc	tgggatgcgg	aggttgcagt	gagccaagat	cacaccactg	10200
cactccaacc	tgggtgacag	agcgaggctc	tgcctcaaaa	aaaaaaaaaa	aaaaaaaagt	10260
tccttaggga	cataaaaggg	ttgtagtgct	aggatgttat	gtgtggtatg	gatcttttaa	10320
aggttggttt	tcccagtcta	tctcttacc	gagcttgaat	gtggccgtga	gaattcttag	10380
ctttcatggc	ctgtatgaac	atatggagga	cgcagagact	gacaggattc	ttctgttgcc	10440
ctggctggag	tgcagtgggt	caatgtttgt	gtggggcaaa	acagcagaga	atctgtggag	10500
ccctgcctgc	cccaagcctt	ccacttgctt	gtctctcagt	tggcctccca	gcagctcctc	10560
atccctctcg	tacagaggac	agggtggtct	tcttaccat	ggcacgtcct	tttctcggt	10620
tccaggaggc	ctacaaaggg	gttttctccc	atgcgtgcag	actgctgtga	acgtccgcca	10680
tgggatggtc	gcttgatttt	ttcacacttg	cctaactcag	attccagggt	cagttcttaa	10740
eggcaactac	cccgaagcc	cctgcaagca	ggacattaac	aagggggagc	ggacttccag	10800
ttagtaaacg	tagatgcaga	tgttttagtg	gaaaaagaaa	ttactcttg	gtcctttaga	10860
gcctaataca	ctggatgttt	gtccctttt	tatagattcc	ctttggtttt	tagaaagtgt	10920
agtccttttg	gggacccact	cacatgactt	tgacagtatc	ttctctccag	gggaaagtgt	10980
ctgcagcatc	atctaggagg	ttccctggct	cgcagtgtat	acgtttgctg	ttttaatttc	11040
ctgcctccct	tttgcgattc	agcttgctat	gtttctctag	gagagtgttt	ccttcataat	11100
tattgaatca	ttcccttggt	ttttgctttg	tatctcaaag	aatttttgct	ggagtacttc	11160
tgtggtagta	gggtcttgct	acatcatgca	ctaaaaacag	aatgtgactc	accctttctt	11220
actgctgact	gagttgtgat	gaggtctttt	ctttctaaga	agtgttttaa	ttaccacata	11280
gtccagggaat	cacggaagct	aacactaaca	ctttcatctg	tgtgggccag	gagttgggca	11340
tgtagttaaa	tgacgtataa	tttttgtaatt	ccaagcatag	tttgaaaaaa	tatgaaaatc	11400
ttagcaccca	gcacatgcct	tttaatgaag	aagttctcag	cagctggcag	aatgcatctt	11460
gtgtagagag	acacaggcgg	aacaggtggc	aggggtgggc	gtcatctgga	ggcctgcgtc	11520
tgggctgagt	gaccttcggt	cttaggctgc	ctggtgtggg	aaacgtgaag	atgtgcgcac	11580
ttctccggcc	ccatgctggg	cacttgctgc	aggcccttac	ccttgctggt	tctaaatatc	11640
gaacataaga	agactgtcca	cttctctttt	aatgtaagga	tgttggtaaa	ccaaagcttt	11700
atggcttttg	aatggaattt	ttctcatttc	ctaaaaataa	atggtagaag	taaagtatgc	11760
tcacatgag	ctgggtccca	gcgagtgttt	ggtttagcca	gaaggtaaat	gggcaagcag	11820
cgtgagctga	cagcttgcaa	aagaggaaat	gaaaaaggct	gttggtatac	atgtagtaag	11880
acctttttca	ttgtccacct	gcttatgcta	tttttagtga	aaagaatatg	aaattgtata	11940
tttactgtga	taaaatataa	acttgtgcat	gtgctagggt	gagatgttca	cagaggggaa	12000
aatgttgagg	tgtaaacatt	gatgacttca	gaggagtgtg	attgcaagtg	atgtgaaggt	12060
gctgcttgta	tgtttttaca	tcccttgcaa	attgtctaca	aagagcatgt	cttgatttat	12120
aaaaatcatg	aaggaaaaaa	atgcaagagc	ctgtccttgg	gaggaagagg	aaggggtggg	12180
gccttgaggg	agacatagcc	ttcctgtgca	gaggcatctt	ggagccactt	gtccaccgca	12240
gcagggtgct	ctccagccag	cacttgctgc	agactctgtg	tgacattgca	aatatatagg	12300
gctctggcct	ggccctgggc	caggggtgat	agggggagat	gggtgctcct	gtccaccaag	12360
agactctgat	gtgtccagg	ggaagaatca	cagtttttta	gaggtgtgcc	ctgccactcc	12420
ctcagggtta	gaggagagtt	gcatagacat	ggggacctct	tcccaccata	gtttcacatg	12480
actgctttcc	tggaagttaga	ctgttgacat	tctctgtccc	tgctactttc	acaaagtgtg	12540
gcagtatttt	agtgtgccca	ttaggacat	tgatggagag	tgcaccaaga	cctcttagtt	12600

agcagatagc	atgctcacgg	atgtcactgt	cctgtaaagt	tctggaggta	gacatcctga	12660
gggatcttgg	cagctttttc	tgggaagtaa	ttcacgttta	ctctgcctta	caagaccagg	12720
cttgtgccgc	agaacgtggg	ggcaggtcca	gcgtctggta	ttcttccatg	ggcccacttg	12780
acagggccac	gatgtgtttt	cagttgttgt	gggttttttt	ggttttctgt	ttttgagaca	12840
aggtctgact	ctgttgccca	ggctggagtg	cagtggtgca	attacggctc	actgcagtct	12900
tgaactcctg	gactcaagtg	atcctcccac	ctcaggctcc	taagtagctg	gatctacagg	12960
tgtgtgccac	cttgccctggc	taattttttt	atcttacttt	ttatacagat	gaggccttac	13020
tatattgtcc	aggctggtct	caaactcctg	gcctcaagcg	atcctcccac	ctcagcctcc	13080
caaagcactg	ggattacagg	cacacagcac	cacaccagc	tttgtcattt	gaatggctgg	13140
gccccacttg	aagaaagctt	atatgttaag	aaaactaagc	tttaaaggag	gggatgggtg	13200
aatgtttacc	ccaaaattat	aaaacaattt	acggccgggt	ccagtggccc	tgggcagcca	13260
ggctctggag	tccttgcctg	tgacttccat	tctgttaaca	cctgagggag	acaaactcgg	13320
ctgccggccc	acctcatacc	taagtgcata	aagctggtag	ttttgatcaa	ttgcagccag	13380
gctgtacagg	cacaggtaaa	tagatatgtg	agagaaacat	catcagacga	ttaaatgaca	13440
agttctgaag	aggaattttc	tagatctcta	gatcaggacc	tggaaacaaag	ctgtagggaa	13500
aacccctttc	tatgtcacct	tccttcctta	ttctgtgctc	tcagggtctgg	gcagcctgaa	13560
ttcatagtcc	tttgggttggg	ctgttttgcca	gttatcagggt	tgccagggtgt	gagccagatg	13620
tacctgggga	atgggggtac	agtcaccccc	agttgagaac	ccctgcctta	gagaatgtgt	13680
aataaatgct	tgctgaagaa	acagactggg	tatctttcaa	gttcttccct	tttctccggg	13740
cactgtcagt	gggcacaaga	gggacatagg	tgggacactc	ctgcctcccc	tggacgctct	13800
tcctgacaca	gccgctgggg	atctccgagc	acacagaggc	cccatgccta	cacactcctg	13860
gggcccctga	tcactggctt	taggctgggg	cctaggagct	cttgtctttc	ttggaggggtg	13920
tgggtgaagc	tgagctctgg	cttcaggaac	agataagcca	tcttaattac	agaacgagca	13980
tatgggacag	cctcagcttt	gtagagaatt	tcttgcccag	gcaacatttt	ccttactttc	14040
agtaagtaaa	atccacggaa	cgtcttttct	tggtgagaag	tagatggcct	ggcctcagggt	14100
acagcctgct	tttggactca	ttgtgttggg	gtgactcctg	tctttgcttc	ctttccctct	14160
ctctccagaa	aggacctaag	tgtgaaatac	cccgaagacg	tccccatcac	ccttccaaac	14220
ctgttgaggt	tcatttttgca	tcactcagac	cctgcttcca	gccccagaa	tgtgggctaac	14280
tctcctacca	aggagtgtct	tcagagcgag	gcagtcttac	agcgggggca	catctcccac	14340
ttggagagag	agatccagaa	actgagagca	gaaataagca	gcctccagcg	agcacaagtg	14400
caggtggaggt	ccagctctc	cagtgcgccg	agagatgagc	accggctgcg	gcagcagcag	14460
cgggccctgg	aagagcagca	cagcctgctc	cacgcacaca	gtgagcagct	gcaggccctc	14520
tatgagcaga	agacacgtga	gctgcaggag	ctggccccgca	agctgcagga	gctggccgat	14580
gcctcagaaa	acctccttac	cgagaacacg	tggctcaaga	tcctggtggc	gaccatggag	14640
aggaaactgg	agggcagggg	tggagctgaa	agcctggcgg	cccagagaga	ggtccacccc	14700
aagcagcctg	agccctcagc	cacccccccag	ctccctggca	gctccccctc	acctgccaat	14760
gtcagcgcca	cactgggtgtc	tgaaggaat	aaggagaaca	ggacagacta	actttttaaa	14820
tgatatgaag	aaatcagagg	tgaaaattgt	acattgggaa	tatatattatg	caaattttat	14880
tgaattttat	tgtaaataaa	gattttctca	gtggcttaga	aaatcagctt	gaatgtcatt	14940
cagcattttat	tgaagaagga	tgacatccct	tccacttatt	gcacaaactt	ggtagctttg	15000
agacaaatac	agtagcacag	tccgtttgaa	gatttgtcca	aaaaattagt	ccatatttta	15060
gtggctcagt	gtcaagagtt	ccctccctgt	gccccactg	ttgcttctgc	agtgatacga	15120
aggatgaatg	cttaattttct	tattagtcag	aaaacttgaa	tgcaacagtt	gggcattcaa	15180
aaataatcca	gagaggctcat	aacctactta	gccatttgag	tgtggctctg	gtgtctgcta	15240
aaaaaagtag	ctattgaaaa	aacagtgaga	gctatgatgt	ggttactca	ttctagaagc	15300
attttcattt	tcctcccgaa	aaccccccca	gtgcctcacc	gagccccgga	ccttcaccca	15360
acacggctgc	cagctcaaaa	tgggcctgat	tcaaaactccc	aggtacgtcc	ctggcaccag	15420
ggagttaggat	aagaaaacct	ccagaagtga	aactgatgag	gaagtgacat	ttaatcactt	15480
caaaaccgaa	acttcactgg	caagggtcaaa	accccaggcc	aaggctgaca	atcgagcgct	15540
ggtcagttcc	aggggtcagg	ctcggaacct	gaaaatgcag	atcctagctg	ttgctgcgtc	15600
cctcaggtgt	ggaggaagga	aaaacagcct	aggtgtatgt	gctggctgtg	gtgagagtcg	15660
aggtagaaaag	cctggaagtt	ctgaaacgtg	aggggatgga	tcacacgccc	cagccttttc	15720
tcactacca	aagcaaaactt	ttacccccctt	cttcagctcg	gcacctttgg	aacttgttct	15780
ccctcctagg	cctgggtttca	gtggccccca	ccacgtgtcc	tgccccacca	gcctgcaggg	15840
cttctgctga	catcacgcct	acccccaccac	cacctcttct	gaacttgcca	caccatcagt	15900
agccagaggt	gttgccctctc	ctgcttctca	aggtctccca	agagcccagc	tgagggtgtt	15960
cattaccacc	ttctgctcag	gtggcccagc	cggctgtccc	tcttccaccc	caagctccta	16020
cttaatgttt	aaacccccaa	tttaggtgta	tgctgcttaa	acgaacagct	ccctacttct	16080
cccgcctcgg	ggttccagaa	cgtggattca	ttcaacatgg	tttttagaag	aggcttgggt	16140
gaggccagag	gagggtgcctt	tagtctgagc	aggaggccag	agctctgagc	tcagccatga	16200
agggccagtg	ctctgtgggtt	aagccggggc	tgaccttcca	tctattacag	ggatgggcag	16260

gcacgagtca	catttgaatc	ataaataaaa	ttagtatgtg	cttgtggtgg	gattaaaaat	16320
caaagtgagc	tcactgaaat	gtacataggg	gaggccttgg	agacaggctg	tggagacact	16380
agctcaccag	agagccacca	gctcaccacc	tgtgggagag	tcaagtcctg	aacttcaagt	16440
tcacctctgc	cctgccccgg	ctccctgccc	caagcacagg	ctggcaggaa	gcagtctggt	16500
ggctccttagg	ggaatgtgca	cgtgagaaat	gttccttggg	tcctaagtgc	ctttagagct	16560
gggtcagggg	actggagacc	cgctgaggaa	agtgaagtca	gaaccccata	ggcggacggt	16620
catcagagag	gaaaggaagc	caagtgatgt	gaagagggaa	gaggaaaaga	agaaaaaaga	16680
cagaacctca	acagtccctt	cccctccagt	gcagaaaata	ggaaacacca	acacaaaaca	16740
tacaaccttt	tctcttttct	gggccaaagt	ggtttcagac	caaaagtagc	caccacaggc	16800
tctatgagga	ccaaagcaat	ttcagcgaag	ccttcactcg	gggtggaggg	ttggtggggg	16860
gcttggcgtg	ctgaagaccc	aagcggcaag	aaactgctct	gctacaagga	cgctggcagc	16920
ctccaggacg	cgtgccttga	ctcgccttct	actggctccc	aggcagggtc	ggtagcttcc	16980
ctgcagtaac	tccactctca	acagaactgc	tattttaacaa	gtgagtctat	gcagaaagaa	17040
cggaggggtg	cgggggggtg	gggttttctt	ccacccatga	ctaataaagc	agagatcacc	17100
caagcacccc	aactggctcag	cctcaagacc	ccaaattggc	atctcacttc	cttgacatac	17160
acgcagatgg	acacacatga	gagacccctg	ccgagtgtgg	cgtgggcctt	tacaagccta	17220
tgaccctcca	gggtcttgac	tcagcttgct	attagtacag	ccagaatacc	agtcccgtgt	17280
gcgctagatg	atatttttaa	aaatcagcaa	aagggcttaa	gcacgtgctt	ccaggggcct	17340
atttacagtt	cacaggtttg	ttagttcacg	cattacagta	gtagctccat	caaaaacagg	17400
ctcagctaga	cattcaagta	acaaaagcgc	tacagggcca	tgagccccag	caaggtcagg	17460
cctggcccagt	gcctgcaatg	ggcagcctca	cctggaggcc	gaggggaagc	ccaggacagc	17520
caggcccccg	ggcatcagtg	catgcgatga	cgaagcccg	agaggccatg	ccagcaagtg	17580
tcagcccttc	ctctcagaca	gcagcgcctc	cgtatggttt	tgccccctcc	agcgctctt	17640
ggccggctgc	aaacaggacc	aggagccttg	catcctggct	cagccgtgga	cttccggggc	17700
gttgggagtc	atcagcttgg	cctttctctc	cacgcacggt	cccttggccg	aatactgcac	17760
cagcaggaag	ggttccttgg	tctccccatc	ccccacgatg	ctctcctcgt	cctctgactg	17820
gctgatgcgc	tgcagccgca	ggtagcacca	gcagcccagg	atcaaggccc	ccagggccgc	17880
gatggcaatg	aggatgacga	tgactgtgac	cacgcccgtg	gtggggctgt	ggtccataat	17940
agacat						17946

<210> 8958  
 <211> 140  
 <212> DNA  
 <213> Homo sapiens

<400> 8958						
ccacacctgt	aaccccagca	ctttgggagg	ccgaggcggg	cggatcacaa	agtcaggaga	60
tcgagaccat	cctggctaac	atggtgaaac	cccattctta	ctaaaaatac	aaaaagttag	120
ccgggcgtgg	tggcaggcgc					140

<210> 8959  
 <211> 268  
 <212> DNA  
 <213> Homo sapiens

<400> 8959						
tgtaatccca	gcacttttgg	aggccgaggc	agggggatca	cgaggtcagg	agatcgagac	60
catcctggct	aacatggtga	aacctcgtct	ctactaaaaa	tataaaaaat	tagccggggc	120
cgggtggcagg	cgctgttagt	cccagctacc	caggaggctg	aggcaggaga	atggcatgaa	180
tctgggaggc	ggagcttgca	gtgagctgag	atggggccac	tgcactccag	cctggggggc	240
agagcgagac	ccgtctcaaa	taaataaaa				268

<210> 8960  
 <211> 301  
 <212> DNA  
 <213> Homo sapiens

<400> 8960



gccggggcgcg	gtgggtcaag	cctgtaatcc	cagcactttg	ggaggccgag	acggggcggat	60
cacgaggtca	ggagatcgag	accatcctgg	ctaacacggt	gaaaccccg	ctctactaaa	120
aatacaaaaa	ttagccgggc	atgggtggcg	gcgcctgtag	tcccagctac	acgggaggct	180
gaggcaggag	aatggcggtga	acccggggagg	cggagcttgc	agtgagtcga	gatcgcgcca	240
ctgcactcca	gcctgggtga	cagagtgaaa	ctccgtctca	aaaaaaaaa	aaaaagagaa	300
t						301

<210> 8961  
 <211> 2548  
 <212> DNA  
 <213> Homo sapiens

<400> 8961						
agcttgcaaa	tggccggggcg	cgggtggctca	cccctgtaat	cccagcactt	tgggaggcca	60
aggcggggcg	atcacgaggt	caggagatcg	agaccatcct	ggctaacacg	gtgaaacccc	120
gtctctacta	aaaatacaaa	aaattagctg	gccatagtg	cgggtgcctg	tagtcccagc	180
tactcgggag	gctgaggcag	gagaatggcg	tgaacccggg	aggcggagct	tgcagtgagc	240
cgagactgtg	cccctgcact	ccagcctggg	cgacagagag	agactccgtc	tcaaaaaaaaa	300
aaaaagcttg	caaacgcaga	aaagaatgaa	aaacaatgaa	gatggtaaat	atgtttataa	360
acctgaattg	atgctggctg	cataaagcaa	taataataac	atgaggttgg	aaatgaaatt	420
aaaacgtata	acaacaatga	cgtaaaagcc	aagacagtaa	atggagtaaa	agtgttccaa	480
ggttcttgc	ctatcctgga	agaagataaa	ttcctattag	acttaataaa	gtcaagggtg	540
gatatagtaa	tccctgtagt	attactaaaa	gaatagtga	agggtgcata	atttccaagc	600
cggtagagaa	aaaatgtaga	aaagttaaaa	atatattatc	aattcaaaaag	aaggcaagaa	660
aggagagaaa	aggggaatata	gagcacataa	agagtgtctc	ttcagcatac	aaacatgctc	720
tggatatctc	cactcttaaa	attcttccct	ggcctattat	ttcttttcat	actccacctc	780
atttctctgc	tttctttcat	agcgaaactt	ctagaaacag	ttgcccccaa	aatgctattt	840
ctgctccctc	aatctgttca	ctcccaccct	attccaatat	aacttttctc	tctaccattc	900
cacaaagctc	tctcacgtca	aagccactga	tgatgactga	ggatgactga	ggagacaaat	960
acaaagcatt	tagggctggg	cgcgggtggc	tacgcctgta	atccagcact	ttggaaggcc	1020
gaggcaggtg	gatcatgagg	tcaggagctc	aagaccagcc	tagccaacat	ggtgaaactc	1080
cgtctctact	aaaaatacaa	aaattagccg	ggcatgggtg	catgcgcctg	taatcccagc	1140
taccttggga	ggctgaggcc	agagaatagc	ttgaacctgg	gaggcagagg	ttgcagtgag	1200
ccaagttcat	gccactgcac	tccagcctgg	gcaacagagc	aagactccgt	ctcaaaaaaa	1260
aaaaaagaaa	gaacttaata	aaattataga	ttcagactga	aatataccaa	tagttacagt	1320
gaatataaat	ggaaaagaaa	ttctccagtt	aaaatacaag	aattagtaga	cagggtttaa	1380
aaacaacaa	catgctattt	accagagaca	gaggtaaagg	ataaggatac	agtaaggcat	1440
aaggatacag	gtaaggcata	aggatatgga	aaaaaggata	cagtaaaagg	actgagaaat	1500
ataaaattgg	aagactctaa	aagaaaagctg	atatagctgt	attttatata	tatatgtgtg	1560
tatatatacg	tgtatatata	tgtatatata	tagtgtgtgt	atatatatat	ataaaataaa	1620
aggttggttt	cctccttctc	tttaaagtat	ataattcaat	tttttttcag	tatgttcaaa	1680
atattatgca	gccatcacca	ctatataaatt	cctagataaa	atttacttta	aggcaaaaat	1740
tctttttttt	tttttttttt	tgagacccag	tctcactctg	ttgcctaggc	tggagtgcag	1800
tgtcatgatc	tcagctcact	gcaacctctg	cctcccaggt	tcaagcaatt	cccctgcctc	1860
aacctcccga	gtacctggga	ttacaggcgt	gtaccaccat	tgcttggtga	atttttgtag	1920
ttttagtaga	gatgggggtt	ccccatgttg	gccaggctag	tctcaaactc	ctgacctcag	1980
gcaatccgcc	cacctctgcc	tcccaaaggg	ctggcattac	agctgagagc	cactgcgccc	2040
ggccaaaaag	tcttaaaccc	agaagataca	acaatcctaa	attgctaatt	ctctaataac	2100
atagtctcaa	agcacaagac	gtaagaactg	atagaactac	aaagacaaat	agaaaaagct	2160
acaagcctag	tgggaaattt	tcaacaagca	aagagtatag	aagatttgat	ttcaaaattc	2220
attaaggtag	ggccggggcat	ggtggctgat	gcctgtaatc	tcagcacttt	gggaggctga	2280
gacgggcaga	tcattgaggtc	aggaattcca	gaccatcctg	gctaacacag	tgaatgccg	2340
tctctactaa	aaatacaaaa	aattagctgg	gcgtgggtgg	aggtgcctgt	agtcctcagc	2400
actcgggagg	ctgaggcagg	agaatggcat	gaacccggga	ggcggagctt	gcagtcagcc	2460
gagattgcgc	cactgcactc	cagcctggga	aacagagtga	gactccatct	caaaaaaaaa	2520
aaaaaaaaaa	aaaaaaaaaa	aaaaattc				2548

<210> 8962  
 <211> 6141

<212> DNA  
<213> Homo sapiens

<400> 8962  
 agtggctggg cgcagtggct cacgcctgta atcccagcac tttgggagggc cgaggcggggc 60  
 ggatcatgag gtcaggagat cgagaccatc ctgggtaaca cggtgaaacc ccgtctctac 120  
 taaaaataca aaaaaattag ctgggcgtgg tcgtgggcac ctgtagtccc agctactcgg 180  
 gaggctgagg caggagaatg gcgtgaacct gggagggtgag cttgcagtga gccgagatca 240  
 cgccactgca ctccagcctg ggcgacagag cgagactctg tctcaaaata aaaaacacca 300  
 gatgttaaat aaaatataat tcacaaatct tttaatgcat agatgaatgt acaaaactaaa 360  
 ggaattttcc aggagctgga aacaaagagc acttcagcta gtgtaagcta acctgcagct 420  
 tagcctgagg cagaaagaaa ctggcggtct tagtaattga ggcatttcaa tttcagcttg 480  
 gagagtggga ggcaatattc ctacataaaa gttagaccac aaagggtctag ataagaaaag 540  
 ggataagata ctgaagcatt tctgtcatgg atggggctgt aggggtatac gggagtagga 600  
 gaggagaaat cttctcatga ccacaatccc aagtgggtaa taaggtttga gtttacacta 660  
 cctgaatatt gctgagaaat taatataaaa aaacgagcac aagcctatgg aaacctctgg 720  
 agcacttcac agaagcgaat acaaaaccgc ctccaggaca cgccaatcca ttctaaaatg 780  
 aattctcaga aaaataagcc ctgctaaagt tgacttcaca atccaaaact gccccactc 840  
 aacataacac acataataag atcagataaa gaccacaaaa taattacttt taaagaagaa 900  
 aaaaaatagg aatatctgga aaagaagcaa ataaaaagtt cagacattta aaaatgtatc 960  
 actgaaatta aagacagtcc aagagcagat tttagaccag ttggctgggt acgggtggctc 1020  
 acacctataa tcccagcact ttggaaggct gagggtgggt gatcacctga ggtcaggagt 1080  
 ttgagaccag cctgtccaac atggtgaaat cccttctcta ctaaaaatac aaaaacttag 1140  
 acgggcatag tgggtggcct ctgtaatccc agctactcag gaggctgagg caggagagtc 1200  
 acttgaaccc aggaggcaga ggttgagctg agctgagatc atgccactgc actccagcct 1260  
 aggcaacaag agcgaaactg tctcaaaaaa gaaaagaaaa gaaaaagatt tagaccagc 1320  
 taaagagaaa taggccagac atagtgggtc attcctgtaa tctaagcact ttaggatgcc 1380  
 tgggcaggag gatcaaggca atgtagtgag accatgtgtc taaaaaaaat aaaaaaatta 1440  
 gctgggtgtg atgctacata gtcccagcta ttcaggaggc tgaagtggga ggtcacctg 1500  
 agcccaggtt gaagcagcag tgagctgtga ctgtgccact gcactccagc ctggggcgaca 1560  
 gactgagacc ctgtttcaaa aaaaaaagta aaagaaaaat tacctatcaa gaaatgataa 1620  
 ttaggctgac agtagacccc aacagcaaca atagaaaaata atgaaaatgg ccagggtgtcg 1680  
 tggctcatgc ctgtaatccc agcactctgg gaggctgagg cgaacatcta aggtcaggac 1740  
 tttgagaccc agaattggcca acatgatgaa acccggtttc tactaaaaat acacaaaaaa 1800  
 ttagccaggt atggtggtgc atgcctatag tcccagctac ccaggaggct gaggcagggg 1860  
 aacccttga acctatgagg cagagatcac gccactgcac tccagtctgg gcgacagaga 1920  
 ctgtctccaa aaaaaaaaaa aaaaaaaaaa aactaaaaga aaatattttt ctcccaaatg 1980  
 ctaaaaataa gtaagtaact atctggaatt ctacatccag ctatattatt atttaagagt 2040  
 aagaataggg gtggggtgac aaagagattt tgtcagtaat gcactatcaa aacctgaatc 2100  
 cagaaaagga gtggtggggg ttaaaaaaaa gaaaaaaaacaa gcaagtatga 2160  
 gcaaagaaaa tggatttcag caaattgagg ccaggcgccg tggctcacgc ctgtaatccc 2220  
 agcactttgg gaggccaaagg cgggtggatc atgaggtccg gagatcgaga ccactcctggc 2280  
 taacacagtg aaaccccgct tctactaaaa atacaaaaaa atttagccgg gcattggtggc 2340  
 gggcgccctg agtcccagct acttgggagg ctgaggcgagg agaattggcg gaacccggga 2400  
 ggcagagctt gcagcagagc aagagtgcac cactgcactc cagcctgggt gacagagcga 2460  
 gactccatct caaaaaaaaaa aaaaaaatgg tatattagcaa attgaaataa gccttgactg 2520  
 taaaatagta acacctaaac tatctttaag gatattgaaa caaggtagaa ctaaaatata 2580  
 tttattagtc atgttcttgg atagaaatag tcatattgtg ctgaacatgg tggctcatgc 2640  
 ctgtaatcct agcactttgg gaggctgatg caaggaggat actcaagccc aggagtccac 2700  
 aaccagcctg ggcaacatag caagaccctg ttgctttttg ttttgaggtg tttttttttt 2760  
 taatttaaaa gaaaaaaaat taaatacttt ttttaaagaa atactcattt gtcatagggg 2820  
 tgggaattat ctttaggttg acttataaat ctaacatgat gctgataaaa atactgttaag 2880  
 ggttgctctt tttggggaga accccaggca tgggtggtgta taccatagat ccagctattt 2940  
 tgggaggctg aggtgacagc atcacctgag ctgagactgc agtgagctgt gatcaagccg 3000  
 ctgcacttca gccttgggcaa tgaagtgaga ccctgtctca aaaataaaat aaattaaact 3060  
 aaattaaaaa taaataaatt ttaaaaaata aataaaaaaa gatgcttacc cttctagttg 3120  
 ttgtgaagat taaatgagtt attcataaag tctttacaac attgcctggc acataataag 3180  
 tactcaactg aattctagtt tcggttagtt tctcctgtta taactgtatg agtctgtttc 3240  
 agggctattc tgatccaatc atctgctatc tatctattca tacgtcagaa ccactcatgg 3300  
 caccatttta caatgttaag agaagtctat gtgcaagctc ctaaaaacca catttctttc 3360  
 cttctttctt atcttagaga caggagtctt gctctgttcc ccaggctgga agtaggcagt 3420

tgccctgatca	tggtcactg	tggccttgaa	ttcctgcaca	agtgatectc	ctatcttggc	3480
ctcccaaagt	gctgggaata	caagtctgag	ccaccaggct	gagcccataa	aaaacatttt	3540
tctggccaga	tgcaagtgtc	catgcttgta	attccaacac	tttgggaggg	tgaggcgggc	3600
agatcacctg	aggtcacaag	ttcgagacca	gcctggccaa	catggtgaaa	ctctgtctct	3660
aacaaaaata	caaaaattag	ccaggtgtgg	tggtgggcac	ctgtaatccc	agctactcgg	3720
gaggctgagg	caggagaatt	gcttgaaccc	aggaggcaga	gggtgcagtg	agccaagata	3780
gcaccattgc	actccgcct	gggcaacaag	agtgaactc	cgtctcagaa	aaaaacaaac	3840
aaacattttt	gttagttctt	tcctgttgat	tctgtcagat	aaactttaga	ataattttca	3900
gatcctccat	ctcttaccta	ttcagttgaa	ttatattaca	ttaataaact	gaaaagaaat	3960
gacatctata	tatctaatag	gtcattccat	cttagaaaaa	ggaatgggtc	cataattatt	4020
tcaggctttt	aaattatctc	atagtttact	gcatgtctca	ttacctgtta	aaggcatttt	4080
aaaatacttt	atgtttttgt	taataaaagt	agtgggtgga	tattttccct	tattacattt	4140
tctgattttt	gctggcatta	taaaactatt	gggttttata	cacttgcttt	acagctagtc	4200
aacaagctaa	acttttaatt	ctaaaaagt	tctcttgggt	tttcttgtgt	aaaataaata	4260
gctatatctc	ctatatacaa	tgaaaaattg	tataacagtc	tcaacaaggg	atatcaacgg	4320
aaaatctcaa	ggggatttat	ttttttaaga	cagagtgcag	tggcactaac	atagatcact	4380
gcagactcga	aatctgagct	taagggatac	ttccactttg	gcttcactag	atggatgcca	4440
cacatacctg	gctaattttt	tttttaatgt	aaaaaacatg	gggtggggct	tgctatgttg	4500
ccctggctgg	tctcaaactc	ctggcctcaa	gcgatctcct	gcctcggcct	cccaaagtgc	4560
tgtaatccca	gcactttggg	agacacctca	cctggcctca	aaagggattt	taaattgcaa	4620
aacatgcaga	aatatltaat	ctgtctggga	aataaccctc	gactcctggc	ctcccagtct	4680
cccagagacc	attacacaga	agcaggtcca	tgttttacta	aaggaagagt	gtcagcaata	4740
aactgttgag	tgaaaagacc	aagctatagg	acagcatgca	cagaatgagc	ccactttgtt	4800
aaaaaatata	tttcatatat	acagcacata	ctaaatatag	catggatata	gaaaagtatc	4860
tgggagatta	ggtatcaaat	tattaacggg	gcttgtctgt	ggggaatata	agtaggagca	4920
aacttttact	ttttattttg	cttgtctatc	acccccaaat	agattactaa	ttctgaagca	4980
ttgctttaag	ctagtaatat	cttttttcag	tttcttttta	aacacacctc	aattcagagg	5040
acagaggtag	acaatttttg	cacatccatc	ttgaacttaa	tcattacaca	gaaaaatagc	5100
tggaanaact	ttatgttttg	aatatatgtt	gaatacacac	gatttttact	gcagacatga	5160
tacatagccc	atagtgcaca	gagctgaacc	tctgggtgag	agaagttgcc	aaggagcggg	5220
aaaaatgtct	tgaaagatct	aaaacaaaaa	aaagtacaaa	gatgttaatc	cagaacagtt	5280
aggccagtg	tcagggatat	aataatttgt	actatataat	taatataata	atgtatataa	5340
ttttcacagc	cgggcatggg	ggctcatgcc	tgtaatccca	gcactttggg	aggccaaggt	5400
agggtggatt	cttgagctta	ggaattcggg	accagcctag	gcaacaaggt	gagccccctg	5460
ctctacaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaattagct	gggcctgggt	gcacacgcct	5520
gtagggccaa	gtgggaggat	cctcaagtgg	gaggatcact	tgagcctggg	aagtcaaggc	5580
tgcatatgaa	tgatgatccc	ccactgcatt	ccagctccag	cctgggcaac	agagagagac	5640
cctgactcaa	aagggttgaa	aaaaaagaat	tttcaaat	taaacatttt	ccccacaggg	5700
tcaactcttc	cctgtgaccg	agcatacaat	gaagctatta	tttaagaaat	tgcatctctg	5760
attaaccctt	ttattatgat	cagtatctca	ttgcacctc	aatcttgcac	actgtcagcc	5820
tcattttaca	gacaaggaaa	gctgaccttc	tagaaatgac	tttcccaata	tcagagaaat	5880
aggatttgaa	cataaggcta	actgactcta	acacgttatc	actgtatcac	tgagtacagc	5940
ctttaagaaa	agctcaacac	tgggccaggc	acgggtggct	acgcctgtaa	tcccagcact	6000
ttaggaggcc	gaggcgggca	gatcacgagg	tcaggagatc	gagaccatcc	tggttaacat	6060
ggtgaaaccc	cgtctccact	aaaaatacaa	aaaattagcc	gggcatgggt	gcgggtgcct	6120
gtagtcccag	ctactcggga	g				6141

<210> 8963  
 <211> 130  
 <212> DNA  
 <213> Homo sapiens

<400> 8963						
ccgggagcag	tggtcacgc	ctgtaatccc	agcatttttg	gaggccgagg	cgggtggatc	60
acaagctcag	gagattgaga	ccaccctggc	caacatgggt	aaaccccgtc	tctactaaaa	120
atacaaaaaa						130

<210> 8964  
 <211> 272

[illegible]

```
<210> 8965
<211> 205
<212> DNA
<213> Homo sapiens
```

```
<210> 8966
<211> 167
<212> DNA
<213> Homo sapiens
```

```
<210> 8967
<211> 299
<212> DNA
<213> Homo sapiens
```

```
<210> 8968
<211> 288
<212> DNA
<213> Homo sapiens
```

<210> 8969

<211> 282  
<212> DNA  
<213> Homo sapiens

<400> 8969  
cctgtaatcc cagcacttta ggaggacgag gtgggaggat cacaagggtca ggagatcgag 60  
accatcctgg ctaacatggt gaaaccccggt ctctactaaa aatacaaaaa attagccggg 120  
cgtgggtggcg ggcgcctgta gccccagcta ctccggaggc tgaggcagaa gaatggcttg 180  
aaccgggagg cgagagcttgc agtgagccaa gatcgaccca ctgcactcca gcctgggtga 240  
cagagcgaga ctccgcctca aaaaaaaaaa aaaaaaaaaa aa 282

<210> 8970  
<211> 275  
<212> DNA  
<213> Homo sapiens

<400> 8970  
ccctttggga ggccgaggca ggcggatcat gaggtcagga gatcgagacc atcctggcta 60  
acacggtgaa acccgtctc tactaaaaat aaaaaaaaaa atgccagggtg tgggtgggtggg 120  
cgcctgtagt cccagctact tgggaggctg aggcaggaga atggcgtgaa ccaggaaggc 180  
ggagcttgct gtgagccgac ctgcaccac tgcactccag cctgggagac agagtggagac 240  
tccgtctcaa aaaaaaaaaa aaaaaaaaaa aaaaa 275

<210> 8971  
<211> 133  
<212> DNA  
<213> Homo sapiens

<400> 8971  
tgccgggagc ggtgactcac gcctgtaatc ccagcacttt gggaggctga ggcgggagga 60  
tcatgagggtc aggagatcga gaccatcctg gctaacacgg tgaaaccccg tctctactaa 120  
aaatacaaaa att 133

<210> 8972  
<211> 181  
<212> DNA  
<213> Homo sapiens

<400> 8972  
aaagcaagcc cgggcgcgggt ggctcacgcc tgtaatccca gcactttggg aggccgaggc 60  
gggcgggatca cgaggtcagg agatcgagac catcctgggt aacacgggtga aaccctgtct 120  
ctactaaaaa tacataaaaa ttagccgggc aagggtggcag gtgcctgtag tcccagctac 180  
t 181

<210> 8973  
<211> 301  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (98)  
<223> n equals a,t,g, or c

<400> 8973  
cgggtggctca cgcctgtaat cccagcactt ggggaggccg aggcgggagc atcacgaggt 60  
caggagatcg agaccatcct ggctaacacg gtgaaacncc gtctctacta aaaatataaa 120

aaattagcca	ggcgtggtgg	tgggcgcctg	tagtcccagc	tactcaggag	gctgaggcag	180
gagaatggcg	tgaacccggg	aggcggagct	tgcagtgagc	cgagatcgtg	ccactgcact	240
ccagcctggg	cgacagagtg	agactccgtc	tcaaaaaaaaa	aaaaaaaaaa	gttattcttc	300
g						301

<210> 8974  
 <211> 301  
 <212> DNA  
 <213> Homo sapiens

<400> 8974						
ccgggcgcg	tggctcacgc	ctgtaatccc	agcacttttg	gaggccgaga	cgggcagatc	60
acgaggtcag	gagatcgaga	ccatcctggc	taacacggtg	aaaccccgtc	tctactaaaa	120
atacaaaaat	tagccgggca	tgggtggcatg	cacctgtagc	cccagctaca	cgggaggctg	180
aggcaggaga	atggcgtgaa	cccgggaggc	ggagcttgca	gtgagtcgag	atcgcgccac	240
tgcactccag	cctgggcgac	agagcgaaac	tccgtctcaa	aaaaaaaaaa	aaagaataag	300
a						301

<210> 8975  
 <211> 111  
 <212> DNA  
 <213> Homo sapiens

<400> 8975						
taatcccagc	actttgggag	gccaagggtg	gtggatcacg	aagtcaggag	atcaagacca	60
tcctggctaa	cggtgtgaaa	ccccgtctct	actaaaaata	caaaaacaaa	a	111

<210> 8976  
 <211> 182  
 <212> DNA  
 <213> Homo sapiens

<400> 8976						
ctgggcatgg	tggctcacgc	ctgtaatccc	agcacttttg	gaggccaagg	cgggcggtatc	60
acgaggtcag	gagatcgaga	ccatcctggc	taacatggtg	aaaccccgtc	tctactaaaa	120
attcaaaaaa	ttagccaggc	gcggtggcgg	gcacctgtag	tcccagctac	tcagtaggct	180
ga						182

<210> 8977  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 8977						
ggcgcggtgg	ctcacgcctg	taatcccagc	actttgggag	gccgaggcgg	gcggatcaca	60
aggtcaggag	attgagacca	tcctggctaa	cacggtgaaa	tcccgctetta	ctaaaaatac	120
aaaaaaaaat	tagccaggca	tgggtggcgg	cgctgtagt	cccagctact	ccggaggctg	180
aggcaggaga	atggcgtgaa	cccgggaggc	ggagcttgca	gtgagcagag	atcgcgccac	240
tgcactacag	cctgggcgac	agagcaagac	tccgtctcaa	aaataaataa	ataaataaaa	300

<210> 8978  
 <211> 611  
 <212> DNA  
 <213> Homo sapiens

<400> 8978

cagttgttgg	ccgggcgctg	tggtcacgc	ctgtaatccc	agcacttttg	gaggctgagg	60
cgggcggtac	acaaggtcag	gagatcgaga	ccatcctggc	taacacagtg	aaaccccgtc	120
tctactaaaa	atacaaaaat	tagccgggcg	tggtggcggg	tgctctagt	cccagctgct	180
ggggaggctg	aggcaggaga	atggcatgaa	cccgggaggg	agagcttgca	gtgagccgag	240
atcccaccac	tgactccag	tctgggtgac	agagcgagac	tccgtctcaa	aaaaaaaaaa	300
aaaatttcag	ttgtgggctg	ggcgcggcag	ctcacgcctg	taatcccagc	actttgggag	360
gctgaggcgg	gaggatcacg	aggtcaagag	atggagacca	tcctggctaa	cacggtgaaa	420
ccctgtcttt	actaaaagta	caaaaaaaaa	aattagccgg	gtgtagtagc	gggcacctgt	480
agtcccagct	actcgggagg	ccgaggcgag	agaatgacgt	gaacccggga	ggcggagctt	540
gcagtgagct	gagatcccgc	cactgcactc	cagcctgggc	gacagaacaa	gactccgtct	600
caaaaaaaaa	a					611

<210> 8979  
 <211> 291  
 <212> DNA  
 <213> Homo sapiens

<400> 8979						
ccacgcctgt	aatcccagca	ctttgggagg	ccgaggcggg	cggatcacga	ggtcaggaga	60
tcgagaccat	cccggctaaa	acggtgaaac	cctgtctcta	ctaaaaatac	aaaaaattag	120
ccgggcgtag	tggcggggcg	ctgtagtccc	agctacttgg	gaggctgagt	caggagaatg	180
gcgtgaaccc	gggaggccga	gcttgcagtg	agccgagata	gcaccactgc	actccagcct	240
gggcaataga	gcgagactcc	atctcaaaaa	acaaacaaac	aaacaaacat	a	291

<210> 8980  
 <211> 308  
 <212> DNA  
 <213> Homo sapiens

<400> 8980						
ggtggctcac	gcttctaata	ccagcacttt	ggaaggccga	ggcgggcgga	tcacgaggtc	60
aggagatcga	gaccatcctg	gttaacacgg	tgaaaccccg	tctttactaa	aaatacaaaa	120
aaaattagcc	gggcgtgatg	gtggggcgct	gtagtcccag	ctactcgga	ggttgaggca	180
ggagaatggc	gtgaacccgg	gaggcggagc	ttgcagtgag	ccgagattgc	gccactgcac	240
tcccgccttg	gccacagagc	gagactccgt	ttcaaaaaaa	aaaaaaaaaa	aaaaaaaaag	300
gaacaaga						308

<210> 8981  
 <211> 197  
 <212> DNA  
 <213> Homo sapiens

<400> 8981						
accacggtga	aaccccatct	ctactaaaaa	tacaaaaaat	tagccgggtg	cagtggcaag	60
cgcctgtagt	cccagctact	caggaggctg	aggcaggaga	atggcgtgaa	cccgggaggt	120
ggagcttgca	gtgagctgag	attgcaccac	tgactccag	cctgggcgac	acagcaagac	180
tctgtctcaa	aaaaaaa					197

<210> 8982  
 <211> 114  
 <212> DNA  
 <213> Homo sapiens

<400> 8982						
cagcactttg	ggaggccgag	gtgggtggat	cacgagggtca	ggagatcgag	accatcctgg	60
ccaatatggt	gaaaccccat	ctctactaaa	aatacaaaaa	ttagctgggc	atgg	114



<210> 8983  
<211> 297  
<212> DNA  
<213> Homo sapiens

<400> 8983  
ctaggcgcgg tagcacgcct gtaatcccat cactttggga ggccgaggcg ggcggatcac 60  
aaggtcagga gatcgagacc atcctgggta acacgggtgaa acccgtctc tactaaaaat 120  
acaaaaaaat tatcagggtg tgggtggggg tgctgttgt cccagctact tggcaggctg 180  
aggcaggaga atggagtga cccgggaggc ggagcttgca gtgagctgag attgtgccac 240  
tgcactccag cctgggcaac agagcgagac tctgtctcaa aaaaaaaaaa aaagaaa 297

<210> 8984  
<211> 307  
<212> DNA  
<213> Homo sapiens

<400> 8984  
tttaaaaagt ctggccggga gcggtggctc acgcctgtaa tcccagcact ttgggaggcc 60  
gaggcgggcg gatcacgagg tcaggagatc gagaccatcc cggctaaaac ggtgaaaccc 120  
cgtctctact aaaaatacaa aaaaaaatt agccgggctg ggtggcgggc gcctgtagtc 180  
ccagctactt gggaggctga ggcaggagaa tggcgtgaac ccgggagggtg gagcttgag 240  
tgagctgaga tcgcgccact gcaccccagc ctgggcaaca gagcgagact ccgtctcaaa 300  
acaaaaa 307

<210> 8985  
<211> 226  
<212> DNA  
<213> Homo sapiens

<400> 8985  
gggtgcagtg gctcacgcct gtaatctcag cactatggga ggccgagacg ggtggatcat 60  
gaggtcagga gatcgagacc atcctgggta acacgggtgaa acccgtctc tactaaaaat 120  
acaaaaaaat tagctgggcg tgatggcagg tgctgtagt cccagctact cgggaggctg 180  
aggcaggaga atggcatgaa actgggaggc ggagcttgca gtgagc 226

<210> 8986  
<211> 280  
<212> DNA  
<213> Homo sapiens

<400> 8986  
cccagcactt tgggaggccg aggcggggcg atcacgaggt caggagatcg aggccatccc 60  
ggctaaaacg gtgaaacccc gtctctacta aaaatacaaa aaaattagcc gggcgtagtg 120  
gcggggcgct gtagtcccag ctacttggga ggctgaggca ggagaatggc gtgaacctgg 180  
gaggcggagc ttgcagtga cccagatccc gccactgcac tccagcctgg gcgacagagc 240  
gagactccgt ctcaaaaaaa aaaaaaaaaa aaaaaatagg 280

<210> 8987  
<211> 305  
<212> DNA  
<213> Homo sapiens

<400> 8987  
gtggggccag gcgcggtggc tcatgcctgt aatcccagca ctttgggagg ccaaggcggg 60  
tggatcacga ggtcaggaga tccagaccat cctggctaac acggtgaaac cccgtctcta 120

ctaaaaatac	aaaaaattag	ccaggtgtgg	tggcgggtgc	ctgtagtccc	atctactcca	180
gaggatgagg	caggagaatg	gcgtgaacct	gggaggcgga	gtttgcagtg	agccgagatg	240
gcgccactgc	cctgcagcct	gggcgcacaga	gagagactcc	gtctcaaaaa	aaaaaaaaaa	300
aaaaa						305

<210> 8988  
 <211> 148  
 <212> DNA  
 <213> Homo sapiens

<400> 8988	
gccaggcgcg	gtggctcacg cctgtaatcc cagcactttg ggaggccaag gcgggcagat 60
cacgaggtca	ggagatcgag accatcctgg ctaacacggt gaaaccccgt ctctactaaa 120
aaatacaaaa	aaaaaaaaaa aaaaaata 148

<210> 8989  
 <211> 3905  
 <212> DNA  
 <213> Homo sapiens

<400> 8989	
ctcacgcctg	taatcccagc actttgggag gccgaggcgg gcggatcacg aggtcaggag 60
ctcgagacca	tcttggttaa cacggtgaaa ccccgctctt attaaaaaca caaaaaatta 120
gccgggctg	gtggcgggcg cctgtagtcc cagctactcg ggaggctgag gcaggagaat 180
ggcgtgaacc	cgggagggtg agcttgcaagt gagccgagat cgcgccactg cactccagcc 240
tgggcgacag	agtgcagact catctcaaaa acaacaacaa caacaaaaaa acaaaaacaaa 300
aaaaaacaaa	acatatgaac ttctttcaac atcaaaatat agataaacaa tatgattttc 360
agtggctata	cagtgtttta ctatgtggat atactataaa ttataaaca tctctgtgtt 420
tgggcattta	ggtaactttc aatttttcac tattataagt atatcactat gggctctgatc 480
aggagagaga	aatttgacag ggaaagtga atgtaaaatta ttaattttta cagggattag 540
agtaacgagg	gattagctaa caagaggtca aaagaactct caaacagaa ctagcaggga 600
taaggtgcaa	tcaccaagtc tcaggctgag acagaatgtc cagggaggag cccacgcccc 660
tagggctaag	agaaggctca gctgagggtc cctgaatttc acagaagccc ccgtggtgcc 720
ctgctgtcag	aacctcctgg agatctgccc tctgggatgc tgggggaaac tcttcatggg 780
gaagaacctc	cctggaggcg ctcttggtat aaacctgccc gaggaggggg tgtgctggga 840
gaagttgctg	gttctgggta ttgctggcca ctgtgactg aaggggccag gcaactgaag 900
agttgcagtt	gctgaaggag cctgccaaga ttgcaggctg gagccaggaa gcaaaaactc 960
tgacaaagga	aaaagtattc aagcagcctt ggttcatttt cttttttaa aaattttcaa 1020
attatttttt	atttagagac agagcctctc tctatcacc aggctggggg gcagtggcgt 1080
gatcatggct	cactgcagcc tcgaactcct ggatgatcaa ccaatcctc cacctcagcc 1140
tcccaagtag	ctgacactac aggtacatgc catcgtgcct agctaatttt ttttttttt 1200
ttgagacgga	gtctcactct gtcaccagc ctggagtgc ttggcgcaat ctcagctcac 1260
tgcaatctcc	gcttctctggg ttcacacccat tctcctgct cagcctcccc agtagctggg 1320
cctacagggtg	tctgccacca ggcccagcta attttttttt gtatttttt tagagacggg 1380
gttttcactt	gttagccagg atggtctcga tctcctgacc tcgtgatcca cccgccttg 1440
cctctcaaa	tgctgggatt acaggcgtga gccaccgca ctggctgcct ggctaatttt 1500
ttaaagaaaa	ttttctagag gtgagatctt actttttgat gcaggatggt tttgaactcc 1560
tggcttcaag	tgaacctcct gccttggctt cccaaagtgg ctgggataac aggcattgagc 1620
cactgtgccc	agctgggttca tcttcataga gcagccaaa agagggaatt tgttgctgag 1680
aggcactaag	ttgatattct gcacaagaaa caaatgtttc aggggaatat cttgtatatc 1740
catcattaca	tgctattctga atattttctt acatacatt ctagacttag aattggcagg 1800
taaaaagggtg	ggcacagtct acacttgaga aatacggcc tcagtaaaac ttattcacct 1860
attacatagt	acttgggagc ttctagatcg tcacaattta attaacctta ggtattgtca 1920
ttctttttta	tccttatata tctgataagc caaaaaaagt agttttttat ttgtattttt 1980
aaaaaaatta	gtagcgatgt taaaacttta ttttctttt tattgtgaag ttcttgctg 2040
tatcctctgc	tgatttaaaa aattgggata ttcagtcctt ttcttattga tttgtacatg 2100
ctctttatat	attaagtatc agaaagttta aatgttcatg tttccaaatc ttactttgtt 2160
tttcatattt	aaaatcttaa ttcttttggg aatcgtttta gtttaagggt tcaggtaggt 2220
gttttagttt	taaattttgt tccaataatg ttaactcttt tctctttttt ttcctgactg 2280

atztatatgt	caacttgtgt	tatatgcctg	ggtatactta	tggactttta	gttgttttct	2340
tctagtttct	agttaattat	ttttcttttt	tcttttcagaa	caggacgcag	gccttgatgc	2400
cctttcctct	atcataagtc	gccaaaaaca	aatggggcag	gaaattggga	atgaattgga	2460
tgaacaaaat	ggtaagaata	agtctgggat	tgaccagatt	tgccgttgac	ataaatacta	2520
aaggcttgag	catttgttga	atgagtttaa	gattatacaa	catgtaaagt	ggtttaaatgt	2580
caatgattgt	tacagtttta	cgcattggag	tgggggttgt	ggcagattta	gatgatagtt	2640
gttaaatact	atgcaaagaa	atttgggtgaa	aaattttcca	gttctcagta	gctgctttta	2700
acaatactgt	gttttatgat	ccattcatcc	caagagcttt	tcttctatgt	ggcagtgata	2760
tgaaattgct	cagcactttg	tacactgagg	ctgtgtgggc	ctcctgtcat	ccccacaccc	2820
ggtggagttt	gctcttcttc	gacccatgtg	accaggcttc	agggcaaaaa	agggtttgaa	2880
gatctttgtt	cagggtttga	tgtgacaagt	ctggttggaa	aaagatgaat	ttgcaaactg	2940
caagcagggg	ggattgggga	gtgtttaaga	cgtgtaggca	tctgcaaggc	tcttggcttg	3000
aggagggcct	ggatgggttg	taggggcaga	aagggggaag	aaatacgggg	gcacgggatt	3060
gccagtgatt	ttacgttaag	gatgaagttg	ggaaacttga	gagcagacac	tggttttttg	3120
gtgagatggt	aagtccagtt	tgcattgtgt	taattagaga	tgccggcggg	agatgtccag	3180
ttgacagtgg	gagacagggg	accagagctc	agggagaggg	cggagccaaa	gagaagagat	3240
gggagcagct	gcagtgtaga	ggtgacgtgt	gacagcgtgg	agtcgttgag	tgccagtgaa	3300
gctggcattt	atggaaagcc	cccactatgt	gctaagccct	ttcatctatg	tcatttcatt	3360
tcattctccac	acaacatcat	gaaggcggca	ccctcctcgt	gtgagaggca	aaactcagag	3420
tggctgcagg	gccccctgag	accacatcgc	ttatgagtga	cagagctaaa	ctccagctca	3480
ggtcttctga	ttctaactgt	actgcttttg	ctgctaaact	ggcttctctc	ctaaagaaga	3540
caaagtagga	agagaaaaag	aaaatgtaaa	gtattctatc	taaggtttca	gcttttagta	3600
ataacacgat	ggaatggctt	tcaagaaaag	ttatcagggt	ggtgcgggtg	ctcacacctg	3660
taattccaac	actttgggag	gctgaggcag	gcggattaca	aggtcaggag	accagcctgg	3720
ccaacatgat	gagacctcat	ctctactaaa	aatacaaaaa	attagctggg	cgtggtggcc	3780
cacacctgta	gtcacagcta	ctcgggaggg	tgaggcagga	gaattgctag	aaccacaggag	3840
gcggagggtt	tggtgagccg	agattgtacc	attgcactcc	agcctggggc	acagagcaag	3900
tctcc						3905

<210> 8990  
 <211> 130  
 <212> DNA  
 <213> Homo sapiens

<400> 8990						
ggccggggcg	ggtgggtcac	gcctgtaatc	ccagcacttt	gggaggccga	ggctgacggg	60
tcacaaggtc	aggagtccga	gaccatcctg	gccaatatgg	tgaaaccccg	tctctactaa	120
aaatacaaaa						130

<210> 8991  
 <211> 275  
 <212> DNA  
 <213> Homo sapiens

<400> 8991						
gcctgtaatc	ccagcacttt	gggaggctga	ggcgggtgga	tcacgaggtc	aggagatcga	60
gatcatcctg	gctaacatgg	tgaaaccccg	tctctactaa	aaatacaaaa	aattagctgg	120
gcatgggtgg	gggcacctgt	agtcccagct	actcgggagg	ctgaggcagg	agaatgggtg	180
gaagctggga	ggcggagctt	gcagtgagcc	cagattgtgc	cactgcactc	cagcctgggt	240
gacagagcaa	gactctgact	caaaaaaaaa	aaaaa			275

<210> 8992  
 <211> 264  
 <212> DNA  
 <213> Homo sapiens

<400> 8992						
atcccagcac	tttgggaggc	cgagggtggc	ggatcacgag	gtcaggagat	cgagaccatc	60

ctggctaaca	cagtgaacc	ccgtctctac	taaaaatata	aaaaaactag	ccaggcgtgg	120
tggtgggcac	ctgtagtccc	agctgctcag	gaggctgagg	caggagaatg	gcgtgaacct	180
gggagccaga	gcttgcatg	agccgagatg	gcgccaccgc	actccagcct	gggagacaca	240
gagagactct	gtctcaaaaa	aata				264

<210> 8993  
 <211> 163  
 <212> DNA  
 <213> Homo sapiens

<400> 8993						
ccgggcatgg	tggttcatgc	ctgtaatccc	agcacttttg	gaggccgagg	cgggtggatc	60
acgaggtcag	gagatcgaga	ccatcctggc	taacacgggtg	aaaccccgtc	tctactaaaa	120
atacaaaaaat	tagctggacg	tggtggcatg	tgccagtaat	ccc		163

<210> 8994  
 <211> 237  
 <212> DNA  
 <213> Homo sapiens

<400> 8994						
agaccgaggc	gggcgatca	cgaggtcagg	agatcgagac	catcatggct	aacacgggtga	60
aaacccgtct	ctactaaaaa	tacaaaaaat	tagccgggcg	atgtggcggg	cgcctgtagt	120
cccagctact	cgggaggctg	aggcaggaga	aaggcgtgaa	ccccgcgggc	cagagcctgc	180
agtgagccga	gatcgcccca	ctgcactcca	gcctgcgcaa	cagcgagact	ccatctc	237

<210> 8995  
 <211> 310  
 <212> DNA  
 <213> Homo sapiens

<400> 8995						
actgagggcc	gggctggtg	gctcacgcct	gtaatcccag	cactttggga	ggccgaggcg	60
ggcagatcac	gaggtcagga	gatcgagacc	atcctgggta	acacggtgaa	accccgcttc	120
tactagaaat	acaaaaaaat	tagccgggca	tggtggtggg	cacctgtagt	cccagctact	180
cgggaggctg	aggcaggaga	atggcatgaa	cccgggaggt	ggagcttgca	gtaagctgag	240
atcacgccac	tgcactccag	cctgggcaac	agagtgagac	tctgtctcag	aaaaaaaaaa	300
gaaaagaaaa						310

<210> 8996  
 <211> 176  
 <212> DNA  
 <213> Homo sapiens

<400> 8996						
tggtcacac	ctgtaatccc	agcacttttg	gaggccgagg	caggcggatc	acgaggtcag	60
gagatcaaga	ccatcctggc	taacacgggtg	aaaccccgtc	tctactaaaa	atacaaaaaa	120
ttagccagcg	cagtggcacg	tgctgttagt	ccaagctact	tgggaggctg	aggcag	176

<210> 8997  
 <211> 278  
 <212> DNA  
 <213> Homo sapiens

<400> 8997						
aatcccagca	ctttgggagg	ccgaggcggg	cggatcaaca	ggtcaggaga	tcgagaccat	60



atggcggtgaa cctgggagggc agagcttgca gtgagcggag atcatgccac tgcactccag 2340  
cctgggcgac agagcaagac tcca 2364

<210> 9000  
<211> 298  
<212> DNA  
<213> Homo sapiens

<400> 9000  
tattatgagg ccgggcgctg tggctcacgc ctgtaatccc agcactttgg gaggctgagg 60  
tgggcggtac acgaggtcag gagatcgaga ccacctctggc taacatggtg aaaccccatc 120  
tctactaaaa atacaaaaaa ttagcagggc gaggtggcag acgctgtag tcctagctac 180  
tcgggaggct gaggcaggag aatggcgtga acccgggggg gtggagcctg cagtgcgctg 240  
agaccgcgcc actgcactcc agcctggggc acagcgagac tctgtctcaa aaaaaaaa 298

<210> 9001  
<211> 276  
<212> DNA  
<213> Homo sapiens

<400> 9001  
cactttggga ggccgagggc ggtggatcac gaggtcagga gatcaagacc atcctggcta 60  
acagcggtgaa acccgtctc tactaaaaat aaaaaaaaaa ttagctgggc atggtggcgg 120  
gcacctgtag tcccagctac tcgggagggt gaggcaggag aatggcgtga acctgggagg 180  
cggagcttgc agtgagccga gatggtgcca ctgcactcca gcctgggcaa caaagcgaga 240  
ctctgcctca aaaaaaaaaa aaaaaaaaaa aaaaat 276

<210> 9002  
<211> 289  
<212> DNA  
<213> Homo sapiens

<400> 9002  
aggccggggc cagtggctca cgctgtaat ccagcactt tgggaggccg aggaggggtg 60  
atcacgaggt caggagatcg agaccatcct ggccaacatg gtgaaacccc gtctctacta 120  
caaatacaaa aattagcagg gcctggggcg ggcgcctgta gtcccagcta cttgggaggc 180  
tgaggcggga gaatggcgtg aaccggggag gcggagcttg cagtgcgccc agatcgcgca 240  
ctgcactcca gcctgggtga cagagcgaga ctccctctca gaataaata 289

<210> 9003  
<211> 261  
<212> DNA  
<213> Homo sapiens

<400> 9003  
gtgcctcacg cctgtaatcc cagcactttg ggaggccgag gcgggaggat catgaggtca 60  
ggagatctag accatcctgg ctaacacagt gaaaccccggt ctctactaaa aatacaaaaa 120  
attagccggg catggtggcg ggcgcctgta tcccagcta ctaggaggc tgaggcggga 180  
gaatggcgtg aacctgggag gcggagcttg cagtgcgccc agattgcgtt aatgcaatcc 240  
agcctggggc acagagcgag a 261

<210> 9004  
<211> 169  
<212> DNA  
<213> Homo sapiens

&lt;400&gt; 9004

ctgtaatccc	agcacttttg	gaggetgagg	tggacggatc	acgaggtcag	gagatcgaga	60
ctatcctggc	taacatgggt	aaaccccatc	tctactaaaa	atacaaaaaa	ttagccaggc	120
gtgggtggcag	gcgcctgtag	tcccagctac	ttgggaggct	gaggcagga		169

&lt;210&gt; 9005

&lt;211&gt; 312

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 9005

gtcctggggc	gggcgcggtg	gctcacgcct	gtaatcccag	cactttggga	ggccgaggcg	60
ggcgatcac	gaggtcagga	gatcgagacg	atcccggtc	aaacggtgaa	accccgctct	120
tactaaaaat	acaaaaaatt	agccgggctg	agtggcgggc	gcctgtagtc	ccagctactt	180
gggaggctga	ggcaggagaa	tggcgtgaac	ccgggaggcg	gagcttgtag	tgagccgaga	240
tcccgcact	gcactccagc	ctgggggaca	gagcgagact	ccgtctcaaa	aaaaaaaaaa	300
aaaaagactg	tc					312

&lt;210&gt; 9006

&lt;211&gt; 284

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 9006

cagcactttg	ggaggccgag	gcgggtggat	catgacgtca	ggagatcgag	accaccctgg	60
ctaacaaggt	gaaaccccat	ctctactaaa	aatacaaaaa	attagccggg	cgcggtgggtg	120
ggcgctgtg	gtcccagcta	ctcgggaggc	tgaggcagga	gaatggcgtg	aacccgggaa	180
gcggagcttg	cagtgcgagc	agattgcgcc	actgtggtcc	gcagtcgggc	ctgggagcaga	240
gagcaagact	ccgtctcaaa	aaaaaaaaaa	aaaaaaaaaa	tcta		284

&lt;210&gt; 9007

&lt;211&gt; 298

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 9007

ttgggcccgg	cgagtggtg	cagcctgtc	atcccagcac	tttgggaggc	cgagacgggt	60
ggatcacgag	gtcaggagat	cgagaccatc	ctggctaaca	cggtgaaacc	ccgtctctac	120
taaaaataca	aaaaaattag	cgggcgtgtt	ggcgggccc	tgtagtccca	gctactcggg	180
aggctgaggc	aggagaatgg	cgtgaacccg	ggaggcggag	cttgacgcga	gcggaaatcg	240
caccactaca	ctccaggctg	ggggacagaa	cgagacccca	tctcaaaaaa	aaaaagaa	298

&lt;210&gt; 9008

&lt;211&gt; 282

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 9008

ttaaactgt	aatcccagca	ctttgggagg	ccaaggcagg	cggatcatga	ggtcaggaga	60
tcgagaccat	cctggctaac	acggtgaaac	cccattctct	ctaaaaatac	aaaaaaaaaa	120
tagcagggtg	tgggtggtgg	tgctgttagt	cccagctact	cgggaggctg	aggcaggaga	180
atggcgtgaa	cccaggaggc	ggagcttgca	gtgagccgag	attgtgccac	tgactccag	240
cttgggtgac	agagtgcagc	tccgtctcaa	aaaaagaaag	aa		282

&lt;210&gt; 9009

&lt;211&gt; 138



<212> DNA  
<213> Homo sapiens

<400> 9009  
ctcatgcctg taatcgcagc acttttgggag gctgaggcgg gtggatcacg aggtgaggag 60  
atcgagacca tcctgggtaa catgggtgaaa ccccgctctt actcaaaata caaaaagtta 120  
gccgagtgtg gtgggtggg 138

<210> 9010  
<211> 311  
<212> DNA  
<213> Homo sapiens

<400> 9010  
agggataggg cgggcgcggg ggctcacgcc tgtaatccca gcactttggg aggccgagac 60  
gggcgatca cgaggtcagg agatcgagac catcctggct aacatgggtga aaccctgtct 120  
ctactaaaaa tacaaaaaaa attagccggg tgtgggtggcg agtgcctgta gtcccagcta 180  
ctccagaggg tgaggcagga gaatggcatg aacccgggag gcagagcttg cagtgaagccg 240  
agatcgtgcc actgcacttg agcctgggag acagagcaag actccatctc aaaaaaaaaa 300  
aaaaaaaaa a 311

<210> 9011  
<211> 131  
<212> DNA  
<213> Homo sapiens

<400> 9011  
agtggctcat gcctgtaatt ccagcacttt gggaggctga ggtgggtgga tcacgaggtc 60  
aggagattga gaccatcctg gctaacatgg tgaaaccag tctctactaa aaatacaaaa 120  
aaaaaaagaa a 131

<210> 9012  
<211> 158  
<212> DNA  
<213> Homo sapiens

<400> 9012  
gcagtggctc acgcctgtaa tcctagcact ttggaaggcc gaggggggtg gatcacgagg 60  
acaggagatc gagaccatcc tggctaacat ggtgaaactc tgtctctact aaaaatacaa 120  
aaaattagcc aggcgtgggt gcaggcgcct gtatgtccc 158

<210> 9013  
<211> 6150  
<212> DNA  
<213> Homo sapiens

<400> 9013  
aagatttttc aaggaatttt cttctctata atataattaa tgatctccta cttggacttc 60  
tgtaaaagat tacagtaaatt cgtgaagtct tatggagggt tttgcgggag tgggtgggag 120  
tagttgtcta ttactgcgtc tttgaatcta aaacagtacc aggatggggc cagagggcat 180  
ctgggctctt cacggattat ataggcttga ccttgttagt actgcatgct gtcagagcct 240  
catccaaaaa cactgagat gtttttgtgc aggggaaata aaatttcaag cactggccta 300  
tcactctaaag tgacttcttt tcttgaccca gtatgtttct ggtgggttat aaagtgactt 360  
tttttatgcc gagaactatt gaaacaattt atttttgtgt acaaatatgt atgttttgaa 420  
ttaactataa atattacgtt ataaaacttt tttattttta tttttataaa acttgtgttt 480  
ttaaattgga aattacactc attgaattgt tttacacatg cagacacaca gacacacaca 540  
cacacacagc gaaacaaaat cctgagtgac agcaccctgt aactaactgt ggtgagattt 600

gattcaagtt	gacagactct	tctgtttttag	agagtaaagt	ccttttgatt	ataacttaca	660
tgtctttctc	aggaaaccag	aatgggaggt	gggtaacgaa	atattctttt	tggaaatgga	720
agaatcttag	aataaaatat	aaattcaaat	tgccaatact	ggcttgacgg	taaagtggca	780
aatctcacca	agacagagga	ttgtgtgcat	tacctgagc	tgccactcat	tcatcagggg	840
tttactgagc	atttgttatg	tgcctggccc	tgtgctaggc	cccggggatg	gcaggataaa	900
tccaatgtgg	cttctgcctg	tgaggttctg	taagtttgtg	gggaagaggg	atgtctcagc	960
agaagcttgt	gagactgtag	aaggggtctc	agggacactg	gaggtgcaaa	aactagctct	1020
tcctggagtg	ggagtaggac	tagcttccct	gaagcagctg	ccctgggtgct	gggccttggg	1080
aacagatgga	ggagccggtg	tccccagcca	ggactccgta	aaggtgtggc	attgcaggag	1140
ggcctggctc	gttctgaaga	gggtaggggtg	agactggaaa	gccaaacggg	ccagattgtg	1200
tggaggtttt	atctcatggg	cagcgtacca	tttggcccgag	gagtgccatg	cctgggggtg	1260
tattttttaa	aatatagtaa	ccatctcccc	ctgcactctc	atctaccctg	ctgcgtattc	1320
ttgggtgata	gttccaagac	ccccaatgaa	tgcctgaaac	cacagatggg	actgaaccct	1380
gtatatacta	cacacgaatt	tcacttttct	tcacaatttc	atgggtagaa	gattcgttct	1440
taccgaagat	cttaacatcc	ttacctcttt	ttttttcctt	attgagactt	ttgccgtttc	1500
acttaaagga	agcatttttg	gcttctcttt	ggcatatctg	aattgccagc	atcactatcc	1560
ttacactttg	ggggcccttc	taataaataa	agggttactt	gaagacaagc	actgtgatac	1620
tgagacagtt	gatctgataa	ctgcgttggc	tactaagtaa	caggctggca	gcattccacag	1680
catggacacg	ctggacaaag	ggatgggtcg	cagtttttgt	aatggcaaaa	atttcatcac	1740
actactcaga	gcgacatgta	gtttaaaact	tacgacttgt	ttatttctgg	aattttccat	1800
ttagtatatt	tgaaccggag	ttgacctagg	ataactgaaa	ttacagaaag	tgaacgtgg	1860
ctaaccgggt	ctagctccct	cagtcattcc	caagcccttc	accaactctg	ccctgtatatt	1920
cagatcacccg	aagtggcctt	ggagtacaac	aactgtcatg	gggaccaggt	ggtggagcgt	1980
ctccttcagc	acctgcggcg	ggtggatgct	ccagtgtctg	agtccctggc	cctggaagtg	2040
ccggcacagc	tgccagaccc	gccaacgata	acagcgtccc	cctgctgcaa	cactgtggtg	2100
ctgccccagt	ggcactcctt	ctccaggacc	cacaacgtct	gtgaactctg	tgtcaaccag	2160
acctccgggg	gcatgaagcc	gagctcggtc	agcgtgccac	agtgcagctt	ttttgaaatg	2220
gcagcagctc	tggattcttt	ctacctcaag	gagcagacct	tttatcatgt	ggcatcagac	2280
agcatagaat	gcagcaattt	tttaacttcc	tatagcccct	tcagctacta	cactgcatgt	2340
tgcaggacca	taagcagggg	tgtgtcaggc	ttcatcgact	ctgaacaagg	tgtccttgaa	2400
gcccctactg	ttgcattttc	ttccccttgg	aagaaatgtg	agggttgatg	cccaagctcc	2460
gttcttcaca	ttgaggagaa	caggatatct	tttccagaag	tggacatgac	tagcacaaaac	2520
ttcacaggcc	tgagctgcag	aaccaacaag	actctcaaca	tctacctttt	ggattcaaat	2580
ttgttttggg	tatatgcaga	gagactgggt	gctccgagct	ccactcaggt	gaaagaattt	2640
gcggcaattg	ttgacgtgaa	agaagaatct	cattacatct	tggatccaaa	gcaagcactg	2700
atgaagctca	ccctagggtac	tgcaggcagt	ttatttcccc	aagcattgta	cattttgctt	2760
gacttcatat	gggtaaattt	tattgatggc	tctcattaca	tttagttgtg	gggtgatgtc	2820
accttctgtg	ctcattttta	gtcttttagc	caccatcagt	cataattttc	aaagaagcta	2880
atatttctta	ttaaatggaa	cagaaacttc	ctcactctga	attttggata	agtttgcct	2940
ttagcccatg	gtgggggtta	gagtcctact	ttctaaaattg	gcgatttctg	tcacatgtct	3000
aaggtagaac	cagctgcagg	cagtggggac	ttgggggacta	gaacaggcag	ggaggtggag	3060
agctattctg	gtgggatgtc	ctaggggctg	atgaaagtga	gccttgacag	cagctttgtt	3120
ctaaaggagc	ttaaagagaa	agcagtggcc	gggcgcagtg	gctcacgcct	gtaatcccag	3180
cactttggga	ggccgagggc	ggtggatcac	gaggtcagga	gatcgagact	atcctggcta	3240
atgtggtgaa	accccggtctc	tactaaaaat	acaaaaaaaa	aaaaaattag	ccgggcgcgt	3300
tggcggggcg	ctgtagtccc	agctactcgg	gaggctgagg	caggagaatg	tcgtgaacct	3360
gggaggcaga	gcttgacagt	agcagagatc	gcgcccctgc	actccagcct	gggcgacaga	3420
gcaagactcc	gtctccaaaa	aaagagagca	gtgaagaagg	aagtagagcc	gccttgcttc	3480
cccttttctg	tcataaggctt	aaatgtctaa	ggatcaaggc	caccagacct	aatttgttct	3540
gctgctgttt	cataatgtac	tgagtaatat	tgtctgggacc	tggggtagct	acactgtaac	3600
aagtgtaaag	tgcaaaataaa	taagtgtcag	tcgcaaacca	gcaaaaccca	ctttttgagg	3660
agtaaggctc	catgatgaga	aagcaccag	agcttgcccc	tgggacttgg	cagcaacatt	3720
gggctgaccc	accctggcct	gttcccagga	atttgctgat	gcccttgact	acacacaatg	3780
aagtgagaat	tcaaaaagcca	cgtagtttca	gcctcattgg	aaacgggagg	gagggtcagt	3840
gtatgccgaa	tggagaaaagg	aggaatttgg	tagggaagga	aacctttcat	ttcaagtttt	3900
aaagtatgaa	ctcaacagta	gactcagagc	ttctacatat	gagtcctttt	agccatcctc	3960
tttcaaatct	agggtgaagct	tgtttcttac	attagacaca	tttgtgaaaa	ggctttatgt	4020
aaatattgat	ttttctatat	caagttacat	attataaatc	caagagttcc	tcactgtgta	4080
aaagaaccct	gtgaccagtc	actttttgaa	gggcataaat	ctgtcgatat	tatagattac	4140
tcccaattca	tgttatctaa	agtcattttg	atgtgttgag	ctttcttaaa	atgaacaag	4200
catttttttt	ttaaatggga	aagagactcc	agagaaatgg	ggtcagtggt	cctacaagca	4260

tgtatTTTTg	aggtagtctg	tattagattt	tcttgaattc	cattcagtaa	tgctcaagtg	4320
tttaatgacc	tcataatgtg	ttcactttga	atttaagggt	aattgaaaga	agccttcttt	4380
agatttcttt	ccatcttctg	tatcttctct	gaaatgttta	gcctagctgt	tctttgtcct	4440
gcagtttagtg	acagaattct	tagggagctt	gtaaaaaaca	cctactgtgt	gtcattgttg	4500
gttttagagac	ttaaactcata	aatcagctgt	ctctaggcta	gtttcagaat	ttaggcttta	4560
ttcagattag	gaaataattc	ttggtttcat	gtttcaaaaa	catagccaac	taagtgtttc	4620
tcagatgctg	atcatgaatt	ctcttttagta	ttcacatgac	attcttctact	tctcttcca	4680
ttctgcacgc	tgcatgtccc	attgcacctc	aaaatggagg	gagttagaag	aaagaaaaag	4740
aactgaaact	ttagctgagt	gcaatgggtg	acgcctgtag	tcccagctac	tctggaggct	4800
gaggtaggag	gatcgcttga	gcccaggagt	ttaaggctac	agtgagctat	gattgcagca	4860
ctgtactcca	gcctgggcaa	cagagtggaga	ccctgtctct	ttaaaaaaa	aaaaaaaagt	4920
gaaattcaaa	ttagtattgt	ttcagatgaa	gcaaaggact	ctgaagatgg	cagaatttgt	4980
ggtaaaactg	ttggttcaaa	tcagggtttt	gattattatg	ggttttatgt	atttttccac	5040
tacatataat	tttttcttaa	cctttaaaaa	aagaaactta	aagaacctta	ataaaggaaa	5100
caaaaaactg	tagctccttg	tcttcaaatt	aatgagcatt	taaacacatt	ccacactact	5160
gtagcttgtg	cagttgtcac	atttgtgggt	aagcttaaa	gtcttagtat	tatagggtga	5220
aatttcttga	aaagatgggt	gcttgtttgat	gatttataca	gtctcacttg	gtgtctattt	5280
gtggaccagt	ccttttaaaa	aaagaatagt	ctatgaatat	tagagcatct	aacattgcat	5340
agtgttttgt	tatccacatt	actgtctgct	gagttataac	taccagagct	aaacctgatg	5400
ccaccggggc	agctttgttt	gggggttttgc	tgatagggtga	aatgttaaaa	atgtgagcct	5460
atgaagtcat	ttgagttttt	aaaatgtgga	gtttaaaagt	aggccagcta	ttctctttgt	5520
atctagagga	gagttgatct	cattttctct	ttatttttag	agtcttttat	tcaaaacttc	5580
agcgttctct	atagtccctt	gaaaaggcat	ctcattggaa	gtggctctgc	ccagttccccg	5640
tctcagcatt	taatcactga	agtgacaact	gatacctttt	gggaagtagt	ccttcaaaaa	5700
caggtatgga	gtcatgagag	gcaaaagtta	agccatctgt	ccctcttaaa	ataatttcca	5760
aactacagtt	gttgggggtga	gcagctgttt	ttgatgtata	gaagagtaac	cacgtgatgg	5820
cccaattatg	gaccgtgaat	gaattacatg	tgggtttttta	atttcagaaa	agtgtctccag	5880
aaagcacagt	attggaaaga	cctaaagatg	aaaattttca	ctgtaatat	tgcataggta	5940
gcattttttcg	gggtgcttgc	ggattcttaag	caatgaggaa	agaaatgaag	aagagcccat	6000
ttcccgggtgc	aagtaacatc	tgtcttccct	ttcccacagg	acgttctcct	gctctattac	6060
gctccgtggt	gcggcttctg	tccatccctc	aatcacatct	tcattccagct	agctcggaac	6120
ctgcccattg	acacattcac	tgtggcaagg				6150

<210> 9014  
 <211> 142  
 <212> DNA  
 <213> Homo sapiens

<400> 9014						
gggcagtggtc	tcacacctgt	aatcccagca	ctttggggagg	ccaaggcggg	cggatcatga	60
ggtcaggaga	tcgagaccat	cctgggctaac	atgggtgaaac	ctcgtctcta	ctaaaaatac	120
aaataattag	ccgggtgtgg	tg				142

<210> 9015  
 <211> 281  
 <212> DNA  
 <213> Homo sapiens

<400> 9015						
cactttggga	ggccgaggcg	ggcggatcac	gaggtcagga	gatcgagacc	atcctggcta	60
acacggggaa	accccgctct	tactaaaaat	acaaaaaatg	agccggggcg	ggtggcgggc	120
gcctgtggtc	ccagctactc	gggaggctgg	ggcaggagaa	tggcgcgaa	ccgggaggcg	180
gagcttgag	tgagccgaga	tcgcgccacc	gcactccagc	ctgggcgaca	gagcgagact	240
ccgtctcaaa	aaaaaaaaaa	agaaaaagaa	aaaggacaac	a		281

<210> 9016  
 <211> 147  
 <212> DNA

[illegible]

tcggccgggc	gcggtggctc	acgcctgtaa	tctcagcact	ttgggaggcc	aaggcgggtg	60
gatcaagagg	tcaagagatc	aagaccatcc	tggtaacat	ggtgaaacct	cgtctctact	120
gaaaatacaa	aaaattagct	gggcgtg				147

<213> Homo sapiens

aaacagaagc	ccttggcgcg	gcgcggtggc	tcacgcctgt	aatcccagca	ctttgggagg	60
ctgaggcggg	cggatcacga	ggtcaggaga	tcgagaccat	cctggctaac	atggtgaaac	120
cccgtctcta	ctaaaaatac	aaaaaattag	ccgggcgagg	tggcgggcac	ctgtagtcac	180
agctactcgg	gaggtctgagg	caggaaaatg	gcgtgaaccc	aggaggcgga	gcctgcagtg	240
agccgagata	gtgccactgc	actccagcct	gggggacaga	gcgagactcc	gtctcaaaaa	300
aaaaaaaaaa	aa					312

<213> Homo sapiens

```

gggcgctgtg gctcacgcct gtaatcctag cactttggga ggccgaggca agtggatcac    60
gaggtcagga gatcgagacc atcttggtta acacggtgaa acccctgtc tactaaaaat    120
acaaaaaaaaa                                     129

```

<213> Homo sapiens

ataagtcact	ttgggagggcc	gagacgggcg	gatcacgagg	tcaggagatg	gagaccatcc	60
tggctaacac	ggtgaaaccc	cgtctctact	aaaaatacaa	aaaaattagc	cgggcgtagt	120
ggcgggcacc	tgtagtccca	gctactccgg	aggcttaggc	aaggagaatg	gcgtgaacct	180
gggaggcgga	gcttgcaagt	agccgagatg	gcgcactgc	actccagcct	gggtgatgga	240
gcgagacttg	tctcaaaaaa	aaaaaaaaaa	agaataa			277

<213> Homo sapiens

cacgcctgta	atcccgagcac	tttgggaagc	ccagggtgggc	ggatcacgag	gtcaggagat	60
caagaccatc	ctggccaaca	tggtgaaacc	ccgtctctac	taaaaataca	aaaaaattag	120
ccgggcgtgg	tggcccgcgc	ctgtgggtccc	agatactcgg	gagtctgagg	cagga	175

<213> Homo sapiens

<400> 9021  
cctgtaatcc cagcactttg ggaggccgag gcgggaggat cacaagggtca ggagatcgag 60  
accatcccgg ctaaaacggg gaaaccccgt ctctactaaa aatacaaaaa attagccggg 120  
cgtagtggcg ggccgctgta gtcccagcta cttgggaggc tgaggcagga gaatggcggtg 180  
aaccggggag gctgagcttg cagttagccg agatcccggc actgcactcc agcctggggcg 240  
acagagcgag actccgtctc aaaaaataaa aataaaaaata aaaaataata ataaaaataa 300  
aaaataaaa 309

<210> 9022  
<211> 310  
<212> DNA  
<213> Homo sapiens

<400> 9022  
ggacggggcgc ggtgggtcac gcctgtaatc ccagcacttt gggaggccga ggcgggaggga 60  
tcacgaggtc aggagatcga gaccatcccg gctaaaacgg tgaaaccccg tctctactaa 120  
aaatacaaaa aattagccgg gcgtagtggtc gggcgccgtg agtcccagct acttgggagg 180  
ctgaggcagg agaattggcg gaacccggga ggcggagggt gcagttagcc gagatcccgc 240  
cactgcactc cagcctgggc gacagagcga gactccgtct caaaaaaaaaa aaaaaaaaaa 300  
aaaaaaaaaat 310

<210> 9023  
<211> 253  
<212> DNA  
<213> Homo sapiens

<400> 9023  
ctttgggagg ccgaggcagg cagatcacga ggtcaggaga tcgagaccat cctgggtaac 60  
atggtgaaac cccgtctcta ctaaaaaatac aaaaaattag ctgggtgtgt ttgcagggtgc 120  
ctgtagtccc agctactcgg gaggttgagg caggagaatg ggctgaaccc aggaggcggc 180  
ttgcagttag ccgagatcgc accactgcac tccagcctgg gcgacagagc gagactccat 240  
ctcaaaaaaa aaa 253

<210> 9024  
<211> 303  
<212> DNA  
<213> Homo sapiens

<400> 9024  
actgtagagg ccgggcgagg tggctcacgc ctgtaatccc agcacttttg gaggccgagg 60  
tgggaggatc acgagggtcag gagatcgaaa ccacccctgg taacacgggtg aaaccccggtc 120  
tctactaaaa atacaaaaaa attagccagg cgtgggtggca ggcacctgta gccccagcta 180  
ctcgggaggc tgaggcagga gaatggcatg aaccaggag gcagagcttg cagttagccg 240  
agatcccggc actgcactcc agcctgggtg atagagcaag actccgtctc aaaaaaaaaa 300  
aga 303

<210> 9025  
<211> 292  
<212> DNA  
<213> Homo sapiens

<400> 9025  
tggctcaagc ctgtaatccc agcacttttg gaggtcgagg cgggaggatc acgagggtcag 60  
gagatcgaga ccacccctgg taacacgggtg aaaccttggt tctactaaaa atacaaaaat 120  
tagccgggga tagtggcggt cgctgttagt cctagctact cgggagggtg aggcaggaga 180  
atggcgtgaa cccgggagggt ggagcttgca gtgagctgag attgcgccac tgcactccag 240

cctgggtgac agagtgagac tccgtctcaa aaaaaaaaaa aaaattaaaa aa

292

<210> 9026  
<211> 287  
<212> DNA  
<213> Homo sapiens

<400> 9026  
ttgtaatccc agcacttttg gaggccgagg cgggcgggac acaagggtcag gagatcgaaa 60  
ccatccttggc tgacacgggtg aaaccccgtc tctactaaaa atacaaaaaa atggccgggt 120  
gtggtggcga gcacctgcct gtagtcccag ctactcggga ggctgaggca ggagaatggc 180  
ttgaacccgg gaggcggagc ttgcagttag ccgagatcgc gccactgcac tccagcctag 240  
gcgacagagc aagactccct ctccaaaaaa aaaaaaaaaa aaaaaaa 287

<210> 9027  
<211> 130  
<212> DNA  
<213> Homo sapiens

<400> 9027  
tgcttgtaat ccaagcactt tgggaggtcg aggcgggtgg atcacgaggt caggagatgg 60  
agaccatcct ggctaacatg gtgaaacccc atctctacta aaaaatacaa aaaattagct 120  
gggcatggtg 130

<210> 9028  
<211> 273  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (18)  
<223> n equals a,t,g, or c

<400> 9028  
tcttttggga ggccgagncg ggcggatcac gaggtcagga gatcgagacc atcctggcaa 60  
acacggtgaa accccgtctc tactaaaaat aaaaaaaaat tagccgggagc tgggtggcggg 120  
cgctgtagt cccagctact cgggaggctg aggcaggaga atggcggtgag cccgggaggc 180  
ggagcttgca gtgagcggag atcgcgccac cgcacttcag cctgggagcag agagcaagac 240  
tcttgtctca aaaaaaaaaa aaaaaagtgg cag 273

<210> 9029  
<211> 279  
<212> DNA  
<213> Homo sapiens

<400> 9029  
cactttggga ggccgaggcg ggcggatcac gaggtcagga gatcgagacc attctggcta 60  
acacggtgaa accccgtctc tactaaaaat aaaaaaaatt agccgggagc ggtagcgggc 120  
gcctgtagtc ccagctactc gggaggctga ggcaggagaa tggcggtgaac cccgggaggc 180  
gagcttgtagc tgagccgaga tcgcgccact gcactccagc ctgggagcaga gagcgagact 240  
ccgtctcaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaga 279

<210> 9030  
<211> 308  
<212> DNA

<213> Homo sapiens

<400> 9030

agggccgggc	gcggtggctc	atgcctgtaa	tcccagcact	ttgggaggcc	gaggcgggcg	60
gatcacgagg	tcaggagatc	gagaccatcc	tggctaacgt	ggtgaaaccc	cgtctctact	120
aaaagtacaa	ataaaaaatt	agccgggcgt	ggcgggtggc	gcctgtagtc	ccagctactc	180
gggaggctga	ggcaggagaa	tggcgtgaac	ccgggaggcg	gagcttgtag	tgagccgaga	240
ttgcgccact	gcactccagc	ctgggcgaca	cagcaagact	ccgtctcaaa	aaaaaaagtt	300
gaaaagct						308

<210> 9031

<211> 158

<212> DNA

<213> Homo sapiens

<400> 9031

aaaccccgtc	tctactaaaa	atacaaaaatt	agctgggctt	ggtggcgcat	gcctgtaatc	60
ccagctactc	gggagggttg	ggcaagagaa	ttgcctgaac	ccaggaggcg	gagggttgcg	120
agagccgaga	tcattgccatt	gcactccagc	ctgggcaa			158

<210> 9032

<211> 320

<212> DNA

<213> Homo sapiens

<400> 9032

atggtggctc	acgcctgtaa	tcccagcact	ttgggaggcc	gaggcgggcg	gatcacgagg	60
tcaggagatt	gagaccatcc	tggctaacac	ggtgaaaccc	cgtctctact	aaaaatacaa	120
aaaaattagc	cgggcgtggg	ggcgggcacc	tgtagtccca	gctactcagg	aggctgagac	180
aggagaatgg	cgtgaacccg	ggaggcagag	cttgtagtga	gccgagattg	caccactgca	240
ctccagcctg	ggcaacagag	caagactccg	tctcaaaaaa	aaaaaagaaa	aaagaaaaga	300
aaagaaaaga	aaacgaagtc					320

<210> 9033

<211> 124

<212> DNA

<213> Homo sapiens

<400> 9033

gccccatgct	gtaatcccag	aactttggga	ggccgaggcg	ggcggatcac	gagggtcagga	60
gatcgagacc	atcctggcaa	acacggtgaa	accccgctct	tactaaaaat	acaaaaaaaa	120
aaat						124

<210> 9034

<211> 308

<212> DNA

<213> Homo sapiens

<400> 9034

caggccgggc	gcggtggctc	acgcctgtaa	tcccagcact	ttgggaggcc	gaggcgggcg	60
gatcacgagg	tcaggagatc	gagaccatcc	tggctaacac	ggtgaaaccc	cgtctctact	120
aaaaatacaa	aaaattagcc	gggcgtgggt	gtgggcgcct	gtaatcccag	ctactcggga	180
ggctgaggca	ggagaatggc	atgaacccaa	gaggcggagc	ttgcagttag	ccgggatagc	240
gccactgcag	tccagcttgg	gcgaaagagt	gagactccgt	ctcaaaaaaa	aaaaaaagtt	300
gaataaac						308



<210> 9035  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 9035  
 gctcacgcct gtaatcccag cacttttgga ggccgaggcg ggccggtcac gaggtcagga 60  
 gatcgagacc atcctggcta acacggtgaa accccatctc tactaaaaat acaaaaaatt 120  
 agccggggcgt ggtagcgggc gcctgtagtc ccagctactc gggaggctga ggcaggagaa 180  
 tggcgtgaac ccgggaggcg gagcttgtag tgagccgaga tcgcgccact gcaactccagc 240  
 ctgggcgcaga gacgcgagact ccgtctcaaa aaaaaaaaaa aaaaaaaaaa aaaaaattaa 300

<210> 9036  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 9036  
 tgggtggctct cgccctgtaat cccagcactt tgggaggccg aggcggggcg atcgcgaggt 60  
 caggagatca agaccatcct ggctaacatg gtgaaacccc gcctccacta aaaatacaaa 120  
 aaattagccg ggcattggtgg cgggcgcctg tagtcccagc aactcgggag gctgaggcag 180  
 gagaatggcg tgaacccagg aggcggaggt tgcagtcagc caagat 226

<210> 9037  
 <211> 308  
 <212> DNA  
 <213> Homo sapiens

<400> 9037  
 ggtctgccag gcgcagtggc tcacgactgt aatcccagca ctttgggagg ccgaggcggg 60  
 cggatcacga ggtcaggaga tcgagaccat cctggctaac acggtgaaac ccggtctcta 120  
 ctaaaaatac aaaaagttag ccgggcgtgg tggcgggcgc ctgtagtccc atctactcgg 180  
 gaggtctgagg caggagaatg gcgtgaaccc gggaaagtga gcttgtagta agccgagatc 240  
 gtgccactgc actccagtct gggcgacaga gcgagactcc gtctcagaaa ataaacaaac 300  
 aaaaaatc 308

<210> 9038  
 <211> 140  
 <212> DNA  
 <213> Homo sapiens

<400> 9038  
 aggccgaggc ggggtggatca cgagggtcagg agatcgagac catcctggct aacatgggtga 60  
 aaccccatct ctactaaaaa tacaaaaaaa tagccgggcg cgggtggtggg cgccctgtagg 120  
 cccagctact tgggaggctg 140

<210> 9039  
 <211> 287  
 <212> DNA  
 <213> Homo sapiens

<400> 9039  
 acgcctgtaa tcccagcact ttgggaggcc gaggtgggcg gatcacgagg tcaggagatc 60  
 aagaccatcc tggctaacac ggtgaaaccc cgtctctact aaaaatacaa aaaattagcc 120  
 gggcgtggta gcgggcgcct gtaatcgggg gtactccgga ggctgaggca ggagaatggc 180  
 gtgaaccccg gaggcggagc ttgcagttag ccgagattgc gccactgcac tccagcctgg 240  
 gcgacagagc gagacttcat ctcaaaaaaa aaaaaaaaaa aaaaaaa 287

<210> 9040  
 <211> 266  
 <212> DNA  
 <213> Homo sapiens

<400> 9040  
 atttgggagg ccgaggcggg cggatcacaa ggtcaggaga tcgagaccat cctgggctaac 60  
 acggtgaaac cccgtctcta ctaaaaatac aaaaaaatta cccgggcgtg gtggtgggcg 120  
 cctgtgggtcc cagctactcg ggaggctgag gcaggagaat ggtgtgaacc cgggaggcg 180  
 agcttgcagt gagccgagat cgcaccactg cactccagcc tgggcgacag agcgagactc 240  
 catctcaaaa aaaaagaaat aagaaa 266

<210> 9041  
 <211> 142  
 <212> DNA  
 <213> Homo sapiens

<400> 9041  
 taaaggctgg gcgcagtggc tcacgcctgt aatcccagca ctttgggagg ccgaggcagg 60  
 tggatcacga ggtcaggaga ttgagaccat cctgggctaac atggtgaaac cccgtctcta 120  
 ctaaaaatac aaaaaaaaaa aa 142

<210> 9042  
 <211> 157  
 <212> DNA  
 <213> Homo sapiens

<400> 9042  
 cgtgactcac gcctgtaatc ccagcacttt gggaggccga ggcgggcaga tcacgaggtc 60  
 agaagatcga gactatcctg gctaacacgg tgaaaccccg tctctactaa aaatcaaaaa 120  
 aaattagccg ggagtgggtg cggttgcctg tagtccc 157

<210> 9043  
 <211> 322  
 <212> DNA  
 <213> Homo sapiens

<400> 9043  
 cggccggggcg cgggtggctga cgcctgtaat cccagcactt tgggaggccg aggcggggcg 60  
 atcacgaggt caggagatcg agaccatcct ggctaacacg gtgaaacccc gtctctacta 120  
 aaaatacaaa aaattagccg ggcgtggtag cgggcgcctg tagtcccagc tactcgggag 180  
 gctgaggcag gagaatggcg tgaacccggg aggcggagct ttcagtgagc cgagatcgcg 240  
 ccactgcact ccagcctggg cgacagagcg agactccgtc tcaaaaaaaaa aaaaaaaaaa 300  
 aaaaaaaaaa aaaaaaaaaa tc 322

<210> 9044  
 <211> 5125  
 <212> DNA  
 <213> Homo sapiens

<400> 9044  
 tcccagcact ttgggaggcc gaggcgggtg gatcatgagg tcaggagatc gagaccatcc 60  
 tggctaacaa ggtgaaaccc cgtctctact aaaaatacaa aaaattagcc gggcgcgggtg 120  
 gcggacgcct gtagtcccag ctactcggga ggctgaggca ggagaatggc gtgaaccccg 180  
 gaagcggagc ttgcagtgag ccgagattgc gccactgcag tccgcagtcc ggcctggggcg 240

acagagcgag	actccgtctc	aaaaaaaaaa	aaagaaagt	tggagttgag	gccttgctgc	300
tggcttatct	ctcttaaggc	tacaagcgca	atcaatgctg	gcagtgttgc	tgggacccaa	360
gcctctatgc	cccagatggc	aggccccatt	ccatcctgga	tgggtgtgacg	gtgggcactg	420
cagatcgagc	agggagccct	ggagaagtgc	tagggctggg	gaaaggggag	gaggcagcct	480
gagccatgga	agaaaccatc	ctggtcactg	catgcttggg	tactcagcct	acttccttgg	540
ttccatctaa	cagtccccag	agccctagga	cctggatctg	ggccttgctc	accctccctg	600
ttctcaaaat	ccttcttgct	gatccaactc	ctttccagcc	tcagggctct	tgcatgtgtg	660
actctctgcc	aaaaaccctc	tttctctaac	actgtttctg	gtgggttttc	cccggttgat	720
aaggcctcag	caaaatgtca	cctcctggga	ggcttccctt	gcctctctat	tcagctattt	780
atagcagcct	cctgtcattc	tttcacactg	tttgctacaa	tttgtgcttt	aatagtcatt	840
tgttccctta	ttggttcaag	ggtcagtgtt	ggtgtgggtca	ctgctgagtc	cactgtgccc	900
agaagacagg	gtccacagca	ggcactccat	aaatacatgt	tgcaggactg	ccctcactgg	960
ctcactctgt	ggagttaggg	acctaattgg	ccccatttac	ctattgcctc	tgaaagttaa	1020
agggcaggaa	caaggtggag	ggccactggc	ctctggcctg	gcatggccca	gaggcagctt	1080
ggggttagct	caaggcagct	aagcagggtc	agcccaagaa	ctaagtcaag	tgggcccagg	1140
aggctctgag	agtggccggg	gccggcgtag	attccctggc	atgggtgaga	actgaggctg	1200
ttctggacgc	acattcatct	catgagaggt	gctggggccc	aagttcatgt	aggttgctgg	1260
cagctgcaca	taatgggtcc	caagcagtg	agacactatc	tgctccacct	ccccactag	1320
tactccgaag	gtgggtcgca	ctgctgggtc	tgctccccag	cattgctgca	tcacttggtg	1380
cctgttgggg	gaaaggggat	tcaggttaag	gcaatttcca	ccaaggattt	ctgggcccac	1440
cacttgctgt	taaaccctct	gcaggccaca	cagggatgag	gatagatgac	aggacatagt	1500
acctagcact	acccaatcag	ggcgactcct	tctcatccct	atgattactg	ttccagtcct	1560
gccttcccac	cctggcagag	gtcgcaactac	ctcagggtgt	aagagcttgg	gctcctgtgc	1620
cctgtggcct	gggctatgtg	atcttggata	agttccttaa	cttctctgtg	cctctgggtc	1680
ctcctctgat	cacagagaag	taggcatata	ggctgatgcc	tgtgaagtgc	taggcacaag	1740
gccagctca	cgaggtacaa	tggatcatcat	cacagtctct	ccaggaagga	agcctgggtc	1800
cagcaaagca	ggaattaaaa	atcctgaagt	ggccgggggc	agtggctcat	gcctgtaatc	1860
ccagcacttt	gggaggctga	ggtgggagag	tcacgaggtc	aggagtctga	gaccagcctg	1920
gccaacatag	tgaaacccca	tctctactaa	aaatacaaaa	attaactggg	caaagctggg	1980
cgtggtggct	cacgcctgta	atcccagcac	tttgggaggg	caaggtgggt	ggatcacgag	2040
gtcaggagat	cgagaccatc	ctggctaaca	cagtgaiaacc	ccgtctctac	taaaaacaca	2100
aaatattagc	cgggcgctcgt	ggcaggcgcc	tgtagtccca	gctactcggg	aggctgaggg	2160
aggagaatgg	cgtgaacccg	ggaggcgagg	cttgagtgta	gccgagattg	caccactgca	2220
ctccagcctg	ggcaacagag	cgagactcca	tctcaaaaaa	aaaaaaaaaa	aattactggg	2280
cgtggtggca	cacgcctgta	gtcccagtta	ctcaggaggg	tgaggtagga	gaatcacttg	2340
aacctgggag	gcagaggttg	cagtgaagca	acattgcgcc	accgcactcc	agcctgggca	2400
tcagagtgag	actctgtctc	aaaaaaaaaa	aaaaaaaaat	tgaagcaaga	gcatttgggg	2460
cagcaccagt	ggcaccctgg	tctgaagca	gaggttcccc	aggtttacct	gctgggtcct	2520
agtgcctgct	ccattatctt	gggagtgtca	ttcctgcctg	aaataaact	ctaccctaca	2580
cacaatatct	catataattc	tcagactctc	ggaaggtggt	actgttgtct	ccactttaca	2640
gatgaggaaa	ttgaggccca	gagaggagaa	gggctggact	gctgaagtgg	accctatggt	2700
gtgccaccca	gataccctct	tactttccca	gtggctagga	gtgttgctct	ctgatgggtc	2760
ttgactgagg	ctctctctag	gaattgccct	aggcagaaga	gaactgcctc	tgccaagctc	2820
acatcccctc	accaggggaca	gcctgtgact	agtaactgat	taatgcctgg	tacaaagacc	2880
tggcctgttg	gtctcaattt	cagaaaactg	tgggtgggtc	tcccagttca	agcagtcctt	2940
gtgggatggg	ctgcagtttc	tgtgacattt	tccctgcccc	gtccttcttc	ccttgcccc	3000
aacctctcag	taaatccccg	tacataaatc	tccagctgag	tctgtttcca	ggagcccaat	3060
ctgatatgg	gtaggcagt	aattaaagaa	gtgaatagta	agagcaaacc	caaggcaggt	3120
aggactgtga	ggaagggcta	ctcgcatcct	tcttggagca	cagcctgaga	caggaggcgt	3180
taactacttt	tacctatgtc	ctggttctct	ctgttctaac	ccagcagacc	tagccacagc	3240
tcaggcacac	ctgctacgta	tgaagctgaa	cctcagcacc	gaaccacccc	cgtaggcact	3300
gaggacaatg	cagctgccgc	catccctcca	ggaatgggga	atctgaaacc	acatacagtg	3360
aaaaaacctg	acctggagat	ccagaggggg	ttgctgtggg	ggttatggaa	tctttcctcg	3420
agattaaatg	agaggaaaag	gtggaaaagca	gaccccggtt	gtgggagtcg	ggtaggagga	3480
gcactgggaa	aatcaaacca	cgggcctcaa	ccccactct	gagctcagaa	tgtctgtacc	3540
atggcaactg	tgaggctcct	ccagggtcct	actctgcagt	aggggtgggac	cagttcacag	3600
atgaggaaat	tgaggcccag	cgagagtcct	tttctagtc	aaccagaagt	tcagtcagga	3660
agccaggcag	gagctctgtc	tctgtctct	tccatgtctc	tggggcccag	ttccctcccc	3720
actaccacct	ccacatactc	acagagaatc	agggcaatac	tcaggctggg	gcaggcgccg	3780
accctgggcc	aggaagtggg	taagggtcaa	aggggtcaat	tggcggtatg	gtggggcacc	3840
ccgtgtcagc	agttcccaca	gcagcacacc	aatgaccac	tgtggaaagg	gggagggtgag	3900



<213> Homo sapiens

<400> 9048

ggccggg	agtggtcac	gcctgtaatc	acagcacttt	gggaggccaa	ggtgggtgga	60
tcacgaggt	aggagatcga	gaccatcctg	gctaacacgg	tgaacctcg	tctctacaa	120
aaatacaaaa	aattagccgg	gcgtcgtggc	acgtgcctgt	agtccc		166

<210> 9049

<211> 270

<212> DNA

<213> Homo sapiens

<400> 9049

tgggaggccg	aggcaggtgg	atcacgaggt	caggagatcg	agaccatcct	ggctaacacg	60
gtgaaacccc	gtctctacta	aaaatacaaa	aaattagccg	ggcgtggtgg	cgggcgcctg	120
tagtcccagc	tactcgggag	actgaggcag	gagaatggcg	tgaacccggg	aggcggagct	180
tgcagtgagc	cgagatcgcg	cccctgcact	ccagcctggg	cgacagagcg	agactccgcc	240
tcgaaaaaac	aaaaacaaaa	acacaaagtc				270

<210> 9050

<211> 296

<212> DNA

<213> Homo sapiens

<400> 9050

cggtgggtca	gcctgtaat	cccagcactt	tgggaggccg	aggcgggtgg	atcatgaggt	60
caggagatcg	agaccatcct	ggctaacaag	gtgaaacccc	gtctctacta	aaaatacaaa	120
aaattagccg	ggcgcggtgg	cgggcgcctg	tagtcccagc	tactcgggag	gctgaggcag	180
gagaatggcg	tgaacccggg	aagcggagct	tgcagtaagc	cgagattgcg	ccactgcagt	240
ccgcagtccg	gcctggggcga	cagagcgaga	ctccgtctca	aaaaaaaaaa	aaaaaa	296

<210> 9051

<211> 160

<212> DNA

<213> Homo sapiens

<400> 9051

cccagaactt	tgggaggcca	aggcgggttg	atcacgaggt	caggagatcg	agaccatcct	60
ggctaacaatg	gtgaaacccc	gtctctacta	aaaatacaaa	aaattaacca	ggcgtggtgg	120
tgggcgcctg	tagtcccagc	tactcaggag	gctgaggcag			160

<210> 9052

<211> 238

<212> DNA

<213> Homo sapiens

<400> 9052

aaaaggccgg	gcacggtggc	tcacgcctgt	aatcccaaca	ctttgggagg	ctgaggcagg	60
cggatcacga	ggtcaggaga	tcgaggccat	cctggctaac	atggtgaaac	cccgtctcta	120
ctaaaaatac	aaaaaattag	ccgggtgtgg	tggcgggcac	ctgtagtccc	agctactcgg	180
ggggctgacg	caggagaatg	gcgtgaacc	aggaggcaga	gcttgacgtg	agctgaga	238

<210> 9053

<211> 301

<212> DNA

<213> Homo sapiens

<400> 9053  
cccgggtggct cagcctgtga atcccagcac tttgggagggc cgaggcgggc ggatcacaag 60  
gtcaggagat cgagaccatc ctgggtaaca cggtgaaacc ccgtctctac taaaaatata 120  
aaaaattagc tgggcgtcgt ggcgggcgcc tgtgggtcca gttactctgg aggctgaggc 180  
acgagaatgg cgtgaaccca ggaggcggag cttgcagcga gctgagatcg caccactcca 240  
ctccagcctg ggcaacagag cgagactctg tctcaaaaaa aaaaaaaaaa aaaaaaaat 300  
c 301

<210> 9054  
<211> 278  
<212> DNA  
<213> Homo sapiens

<400> 9054  
cctgtaatcc cagcactttg ggaggcctag gcggtgggat cagaggtca ggagattgag 60  
accatcctgg ctaacatgga gaaaccctgt ctctactaaa aatacaaaaa attagccggg 120  
cgtagtggcg ggcgcctgta gtcccagcaa ctccggagggt tgaggcagga gaatggtgtg 180  
aacctgggag gtggagcttg tagtgagccg agatcgcgcc actgcactct agcctgggca 240  
acacagcgag actccgtctc aaaaaaaaaa aaaaaaga 278

<210> 9055  
<211> 195  
<212> DNA  
<213> Homo sapiens

<400> 9055  
aacaaggtga aaccccgctct ctactaaaaa tacaaaaatt agccggggcg ggtggcgggc 60  
gcctgtagtc ccagctactc gggaggctga ggcaggagaa tggcgtgaac ccgggaagcg 120  
gagcttgtag tgagccgaga ttgcgccact gcagtcgcga gttcggcctg ggtgacaggg 180  
caagactccg tctca 195

<210> 9056  
<211> 299  
<212> DNA  
<213> Homo sapiens

<400> 9056  
ataggccagg cgcggtggct cagcctgtga atcccagcac tttgggagggc caaagcgggc 60  
ggatcacgag gtcaggagat cgagaccatc ctgggtaaca cggtgaaacc ccgtctctac 120  
taaaaaatata aaaaattagc ccgctgtggg ggcgagcgcc tgtagtccca gctacttggg 180  
aggctgaggc aggagaatgg catgaacccg ggagggtggag cttgcagtga gccgagatca 240  
caccaccgca ctccagcctg ggtgacagca cgagactccg tctcaaaaaa aagaaaaga 299

<210> 9057  
<211> 218  
<212> DNA  
<213> Homo sapiens

<400> 9057  
ggccgggtgc agaggctcaa gcctgtaatc ccagcacttt ggggaggcca aggtgggcgg 60  
atcacgaggt caggagatcg agaccatcct ggctaactg gtgaaacccc gtctctacta 120  
aaaatacaaa aaattagccg ggcgtggtgg tgggcgcctg tagtcccagc tactcgggag 180  
gctgaggcag gagaatggcg tgaatccggg aggcagcg 218

<210> 9058

<211> 296  
<212> DNA  
<213> Homo sapiens

<400> 9058  
aagccaggca cagtggctca cgctgtaat cccagcactt tgggaggctg aggcgggtgg 60  
atcatgacgt caggagatca agaccatcct ggctaacatg gtgaaacccc gtctctacta 120  
aaaatacaaaa aaaattagcc aggtgtggtg gcgggcacct gtagtcccag ctacttggga 180  
ggctgaggca ggagaatggc gtgaacccgg gaggcggagc ttgcagttag ccgagatcgc 240  
gccactgcac tctagcctgg gcaacagagc gagactccat ctcaaaaaaa aaaaaa 296

<210> 9059  
<211> 295  
<212> DNA  
<213> Homo sapiens

<400> 9059  
aatcccaaaa ctttgggagg ccgaggcgagg tggatcatga ggtcaggaga tcgagaccat 60  
cctgggtaac aaggtgaaac cccgtctcta ctaaaaatac aaaaaattag ccgggcgcgg 120  
tggcgggcgc ctgtagtccc agctactcgg gaggtgagg caggagaatg gcgtgaaccc 180  
gggaagcggg gcttgtagtg agccgagatt gcgccactgc agtccgcagt ccggcctggg 240  
cgacagagcg aaactccgtc tcaaaaaaaa aaaaaataaaa aataaaaaaa ataca 295

<210> 9060  
<211> 107  
<212> DNA  
<213> Homo sapiens

<400> 9060  
tcccagcact ttgggaggcc gaggcagggt gatcatgagg tcaggagatc gagggccatcc 60  
tggccaacat ggtgaaaccc cgtctctact aaaatacaaaa aaaaaaa 107

<210> 9061  
<211> 318  
<212> DNA  
<213> Homo sapiens

<400> 9061  
tgactttggc cgggcgcggg ggctcacgcc tgtaatccca gcactttggg aggccgagac 60  
gggcggatca cgaggtcagg agatcgagac catactgggt aacacggcga aaccccgctt 120  
ctactaaaaa taccaaaaat tagctgggag tgggtggcgg cgctgtagt cctagctact 180  
taggaggctg aggcaggaga atggagttaa cccgggaggc ggagcttgca gtgagccaag 240  
atcgcgccac tgcactccag cctgggagcag agagcgagac tccgtctcaa aaaaaaaaaa 300  
aaaaaaaaaa aaagaaca 318

<210> 9062  
<211> 217  
<212> DNA  
<213> Homo sapiens

<400> 9062  
tggctcacgc ctgtaatccc agcactctgg gaggcggagg cagggtggatc aggagggtcag 60  
cagatcgaga ccatcctggc taacacgggtg aaaccccgtc tctactaaaa acacaaaaaa 120  
ttagctgggt gcggtggcgg gtgcctgtag tcccagcttc tcgggagggt gaggcaggag 180  
aatggcgtga acccgggagg tggagcttgc agtgagc 217

<210> 9063  
<211> 307  
<212> DNA  
<213> Homo sapiens

<400> 9063  
gccggggcgcg gtgggtcacg cctgtaatcc cagcactttg ggaggccgag gcgggcggat 60  
catgaggtca ggagatcgag accatcctgg ctaacacggg gaaaccccat ctctactaaa 120  
aatacaaaaa attagccagg cgtgggtggcg ggcgcctgta gtcccagcta ctcgggaggc 180  
tgaggcagga gaatggcgtg aacctgggag gcgagagctt cagttagccg agatcgcgcc 240  
actgaactcc agcctgggag acagagcgag actccgtctc aaaaagaaaa taaaaaagaa 300  
aaatttc 307

<210> 9064  
<211> 306  
<212> DNA  
<213> Homo sapiens

<400> 9064  
tggggccggg cgcagtggct cagcctgta atcccagcac tttgggaggc cgaggcgggc 60  
ggatcacgag gtcaggagat cgagaccgtc ctggctaaca cggtgaaacc ctgtctctac 120  
taaaaatata aaaaattagc cgggtgtggt ggtgggcacc tgtagtccca gctactcaga 180  
gaggctgagg caggagaatg gcgtgaaccc gggaggcggg gcttgagtg agccgagatc 240  
gcgccaccgc actccagcct gggcgacaga gtgagaatcc gtctcaaaaa aaaaaaaaaa 300  
aagact 306

<210> 9065  
<211> 663  
<212> DNA  
<213> Homo sapiens

<400> 9065  
gaaacaacag gtgctggaga ggatgtggag aaataggaac acttttacac tgttgggtggg 60  
actgtaaact agttcaacca ttgtggaaga cagtgtgggtg attcctcaag gatctagaac 120  
tagaaatacc atttgaccca gccatcccat tactggatat atacccaaag gaataataat 180  
catgtctgta taaagacata tgcacacgta tgttcattgt gccactcttc acaatagcaa 240  
agacttgga ccaaccctaa tgtccatcag tgacagactg gattaagaaa atgtggcaca 300  
tatacaacat ggaatactat gcagccataa aaaaggatga gttcatgtcc tttgtaggta 360  
catggatgaa gctggaaacc atcattctga gcaaactatc acaagggtcag aaaaccaaac 420  
accgcatgtt ctactcata ggtgagaatt gaacaatgag aacacatgga cacaggaagg 480  
ggaacatcac acaccggggc ctgtcgtggg gtgggggtag tggggaggga tagcattagg 540  
agatatacct aatgctaaat gacgagttaa tgggtgaagc acaccaacat ggcacatgta 600  
tacatatgta acaaacctgc acgttgtgca catgtaccct agaacttaaa gtataattaa 660  
aaa 663

<210> 9066  
<211> 214  
<212> DNA  
<213> Homo sapiens

<400> 9066  
ttctgtttgt tagttttcct tctaacagtc agggccctct tctgcaggtc tgctggagtt 60  
tgctgggggt ccaactccaga ccctgtttgc ctgggtatca ccagcagagg ctgcagaaca 120  
gcaaagattg ctgcctgtc cttcctctgg aagcttcgtc ccagaggggc acccagcaga 180  
tgccagccag agctctcctg tatgaggtgt ctgt 214

<210> 9067



<211> 1096  
<212> DNA  
<213> Homo sapiens

<400> 9067  
ggcagctttc ttacaaaccc atccttctga aatgttgctt caaattcatc ctctgctccc 60  
cagtcccaact attccacaca tactgttact gtttctttat cctactttct caattttgga 120  
acatagttgc agttactgca ttgaatacct gtgggtttgc ctgttggtct gtctgtctct 180  
gtgggtcttg taatagtggg tcccagagat aaaatggaca gttgtaatgc acagttaatt 240  
cagaaactag accttacttg ctgtgtgaaa taccaactaa attctcagt aactcagctg 300  
agctttatct ccttttggtt ccccaattta taatttcagt tcaggcccag aaagatggaa 360  
tcccagctaa gaaatacaag ttacaccctg tactagcagc ccatgtgtgc atgttcttta 420  
agtgtctctg cagctatgtc atttatattg attttccctg tattattata agcaaagcaa 480  
atltgaggaa aaaaacccat aataccacac ctcatTTTTT tcaagtaata gggtcataag 540  
tctcattctt catataatat gttgagtatg caatatatta tgtgttaggc tctggaaagg 600  
cagagggttag atcatgttac agatcatatc tgattaggca gataaacagt attttaacct 660  
tttcttatt atatgtaact tgctttcagg ttttttaatg ttactattat gtctttaata 720  
tattatcttt atttgtactt ttgtatacag aagtgtattt ctttttttaa aaaaaattgt 780  
gtcttttagga tggactccaa agatgtggaa tcagtaggtt taaggaatat ggatattttg 840  
gctggcaagg tggctcacac ctgtaatccc agcactttgg gaggctgagg tgggtggatc 900  
acctgaagtc agaggttcga gaccagcctg accaacttgg cgaaaccctg tttctactaa 960  
agacacacaa aaaattagcc agtggtgtgt gcattgtgct gtagtccac ttagctactc 1020  
gagaggctga ggcaggagaa tcgcttgaac ccgggaggca gaggttgcag tgaggcaaga 1080  
tggcacctct acactc 1096

<210> 9068  
<211> 1902  
<212> DNA  
<213> Homo sapiens

<400> 9068  
tcagaagagg aaagatgagg ttcaggtagt cattcagcag cttctcctgc acaatgacctg 60  
agccacaagt cagaagggag aaaagggcca cacgatgagt gcagctcctg gcccctgctg 120  
gccccagaga cttctggtcc taggccagcc acagggtgcag caaggcctga ggcctttgtc 180  
ccttccttct cctcccaaca agaggagcct ccttccttct ctgccagccc ttacctgtga 240  
ccctggattt ctcagcatct gaggtcagcc tacagctctt gcgggagaaa gacacgccgg 300  
cccccttggg tggcatcctt cgtctctcat gggcagccag tggctcctgga ggctgaggca 360  
gacacagagc ctgtctactc agggccagcc aggggcccc acacctgacc tcagtcctgc 420  
catggcagga agtcttggga gcagggtgagg ccaggggcat gcacactaac acataggaca 480  
ggggaatgca ggggtcccca gcttcttaca caggcagggg agccaggggtc taggcccattg 540  
taacagggac cacttcttgt tctccagtgt ccctgtgccc agcacagggc tgggcagaga 600  
gcaggtacca gatataattt tgccaaacca taacaaaatg tctcagctct gtggaaatca 660  
gacccaaatg tccaaagtga ggtgtcctag gggcagagcc cctgtattca tctcggttgt 720  
aagccatact gagtccagct cacaaccaga agcgacaatc ctacacattc ccccaagtgc 780  
agaccaccac tgggtctggc atctctagcc ataagtccca cttactcccc acaaggctgg 840  
agcctctttc ctcagccctg ggttctctcc tttttttatc catggtcctg atagtttcac 900  
tgttcccact cacacatgtg gcctcccacc tcatccaagc accacccttg cccagccctc 960  
atggcaaaact ccattgggtc tcttagtgca tctatccctc acatcatgtt gctgctgcag 1020  
ctgctccaaa acctgcactg agtccctggt gctggcctca ctgatgtgta gctgtgctgt 1080  
ccaacacagc agccgtcatc cacgtgaggt tacttaaat taaagtttta aaaattaaca 1140  
attcgatttc tcagttgcct cagccacatt tcaagagttc aatgaccaca tgtggctaac 1200  
ggttactcta ttggacagca caaaggtaga acattcccac catcatataa agttctatta 1260  
gacagcgcag gtctagagtt tcgctctgca gcaactgcct agccagcact ccctactctg 1320  
ccgttcagtc tcttatctcg ccccaaacag accctctact cccgccacaa acccctgtgg 1380  
gtctgcacca cgctgctcc tggggaaggt gattttcccg acctcgggccc ctccgtgggc 1440  
tccatgatac ggtgcacct cactaccaga gtatgtgaag atctgattaa atgcagtcac 1500  
tcatttgatg agcagacct ccagacaccc actccgggtg tcagttgctg aggaccagg 1560  
tgagaggcgg acctgtgccc cgcccgggga ctccctgtca cggctatccc gtccaacctc 1620  
gccgggggat ccgggctcag aactgaacct actccgtctg ggagcccaag gatggctccc 1680  
ccaagtcgcc cccgcctggc cccaagctcc agaggacctg ccagaccagc ttccgctcgg 1740

agtttcgcac	tcagatcccc	gcgctgcagg	tgccctcgca	ctggactaaa	ctggaccgcg	1800
aagggaaatag	ccggaacccg	ccaggctcag	agccctgcg	cccctcactc	accccagacc	1860
tcggccgcgcg	cgaccgcggt	cacaacatcc	gcccacaccc	tc		1902

<210> 9069  
 <211> 1087  
 <212> DNA  
 <213> Homo sapiens

<400> 9069						
tttttttttt	ttttttttat	tatactctaa	gttttagggg	acatgtgcac	attgtgcagg	60
ttagttacat	atgtatacat	gtgccatgct	gggtgcgctgc	accactaat	gtgtcatcta	120
gcattaggta	tatctcccaa	tgctatccct	ccccctccc	ccgacccac	cacagtcccc	180
agagtgtgat	attccccctc	ctgtgtccat	gtgatctcat	tgttcaattc	ccacctatga	240
gtgagaatat	gcgggggttg	gttttttgtt	cttgcgatag	tttactgaga	atgatgggtt	300
ccaatttcat	ccatgtccct	acaaaggata	tgaactcatc	attttttatg	gctgcatagt	360
attccatggg	gtatatgtgc	cacattttct	taatccagtc	tatcattggt	ggacatttgg	420
gttggttcca	agtctttgct	attgtgaata	gtgccgcaat	aaacatacgt	gtgcatgtgt	480
ctttatagca	gcattgattta	tactcatttg	ggtatatacc	cagtaatggg	atggctgggt	540
caaattggat	ttctagttct	agatccctga	ggaatcgcca	cactgacttc	cacaatgggt	600
gaactagttt	acagtcaccac	caacagtgtg	aaagtgttcc	tatttctccg	catcctctcc	660
agcacctggt	gtttcctgac	tttttaata	ttgccattct	aactgggtgtg	agatgatatc	720
tcattagttg	tttgatttgc	atttctctga	tgccagtgga	tgatgagcat	ttcttcatgt	780
gttttttggc	tgcatataatg	tcttcttttg	agaactgtct	gttcatgtcc	ttcgccact	840
ttttgatggg	gttggttgtt	ttttcttctg	aaatttggtt	gagttcattg	tagattctgg	900
atattagccc	tttgctcagat	gagtaggttg	caaaaatttt	ctcccatggt	gtaggttgcc	960
tggtcactct	gatggtaggt	tcttttgctg	tgccagaagct	cttttagttta	attagatccc	1020
atttgtcaat	tttgtctttt	gttgccattg	cttttggtgt	tttgacatg	aagtccttgc	1080
ccacgcc						1087

<210> 9070  
 <211> 523  
 <212> DNA  
 <213> Homo sapiens

<400> 9070						
agaaaataca	actgggttgct	tgcttttata	ggaattttcc	ctggaggcca	cacgaaacca	60
cttgtgcctc	agaacaactc	atgactgggg	gagtaaggac	aagcagtata	tccattggct	120
tctttctgtg	tctcgtttct	tactggttaa	tgtctactcc	tgggggtattt	cacttttcca	180
cacttcttag	ttatgtttcc	tggcctcttt	gaggagctgc	tgggaagaca	gagctttaat	240
tggtcctgtt	agagttatga	acaggaatgg	tggtttgcct	ctcttttctg	ggaagataca	300
taactccaga	aactgtgaga	gtcttttctg	gggctacaag	acaagtggct	gaagccaggg	360
gtgagggtgag	aggtgatagt	gtgggttggtg	gggtgtgcaag	cagggccaag	caaattcaag	420
gtggggcata	ttctaggact	tacacaacag	tctggaaata	aatatgtatt	ttagaatatt	480
gagattctaa	actaagaatg	atgtcttacg	taaaattaca	aaa		523

<210> 9071  
 <211> 470  
 <212> DNA  
 <213> Homo sapiens

<400> 9071						
ccgttaacgg	gattctggaa	tttggttagga	taattgcttt	tcaatatcaa	gagatctggc	60
aatcaaat	aataatatca	agcttgcttg	gtgagcatgg	atattataaga	tagaatgggt	120
tgtgggggag	aatatagttta	caaaaaagat	tattgtttcc	cataatgcct	ggatttgtat	180
taagtacttt	gcatacagta	gggcatttca	ttgtcccagt	gatcctcctg	caaagtaggt	240
acaattatct	tcaatttaca	aatgaggaaa	ccaagctctc	ttcaagctga	taagatgctg	300
aactgagatt	tgaaccaagt	ccctctgccc	ctaagagccc	ctacccttag	ctgctactat	360

atgctgtacc catctaagct ttgtgaaata accttgttcc actgcagaga agatgttgtg 420  
tcacctatct ctagtatttc ttggctttgg gcagttctgg agtcaaaatg 470

<210> 9072  
<211> 2327  
<212> DNA  
<213> Homo sapiens

<400> 9072  
gcctttttgt ctgtctttat ttacagcaaa gtacataata tgtgggtcact ttgtaaccac 60  
taacaataaaa ggtagggtgg taaaaagaaa agggagagga gcaagcatct taaaaggggg 120  
gaaaaaaaaag cctaagtcctg tatttagcta ctcaccctgc tcctgaggca ggactgggta 180  
ggcactccct gcctctaaga ccacagccaa gctgacctgg aatgccagtc cccggtatga 240  
ggaaggcagc agaacgcca gagacaaaag attaaagggg actgagctct ggatgcatcc 300  
acttatgctt tgccagacag ttcccttctt tgttttgtt gaatgcttcc cccacccgc 360  
cctgagcaaa gtgtaaaggg caacggtggt acagaagtac aggcagtccc ttccagaagc 420  
agtctgaac cgcataaccc acctacctag ctgctcctca gcctgccgag ttcttggccc 480  
tggaatcttt aacaggcaca taggagattc cagggcaggg gaaaatattt ccctgcaaga 540  
ggctacttcc ctccaacagc tgtgagggcc agtgcaggtc aaggttgcta aatcaaggaa 600  
agtgcacaag ggcaagagag gtcatataca aaccaaccag gcttccggcc ctctgtctgc 660  
ccgactgctc cgaggtgtac acaagcctcc agcccagccc agcggcctaa tgaaactctg 720  
gcaacctatc ctgggcggtg ccacaagtat ccagctccaa gcccaagtga ggcggggagt 780  
caacttcccc atgattgcca agtggccaa accagaagca gggatgatta ggctagtctt 840  
gcggaagggt gaactggaga ccctgtctct gccctcctc cctggcctgt cccacagaca 900  
tcccgttgtt taaccactg cctttgcaag gacctgtct gtccactcca aatcaaagga 960  
tacttgcatc cttcttacac agactcccat ctctctgtc atagtgttcc caggctgccc 1020  
gagaaaaaga aacttggtgc agtagaaggc tcattagtgt gaaggagtga gaggccaggc 1080  
cttcctgtga cataatgctt ctatgcttgt ttccataaca cttggtccac acacaatacc 1140  
tgggcaggaa gagagaacca agcaccactg gatggctctg gagccagggg acttctatgc 1200  
acatacaacc aacatcacc cactctgtct atctgtgcct ccaccctgaa cagcagagta 1260  
cctagatggc aaatgtcatg gtttctgggt cactaattct actcctgact ctccatggaa 1320  
tcagagaccc agaggctctt aaaaaactaa gaccattgtt tgttccatag aaagctcaag 1380  
ttcagataca gagttggcca aatgctgggc tgccacggag gggtagagcc ttccatccct 1440  
tccttgttcc agaaacagtg tgtcacagac cccagcagac actgttcatt gtccccagcc 1500  
aagccaccaa gaattggtga tcatgtgaca aggggcaggg cagcccttat agctgtttcc 1560  
aagctaggag tgggctattc agagatattg gaggcttggt cccaacacca caggtagatg 1620  
aggaagcagc taggtaaagg ctacagagatg agaggagtc atcttccaag gcagtgggat 1680  
aaacagccaa ggcactaaat ggtttggcac ctgggagctt caagtaaagt tgagcatgct 1740  
gccactgaa aagccaaggc tctcccagac acgggtgggc ttcacctgag cacagcccag 1800  
tgccatcaag gccaggggcc ctgtgtcctc aggatactaa cccaggcctg cattccctgc 1860  
ttcatctcag aactgatcaa ggcattgact caaggataat gattgatcct gaactgatct 1920  
tggtgagcac cggctttcaa aggagcatc ttgggagcct tcccttgctc caagtagggc 1980  
gctgctgtga ctgggagctc ccttcagagc ctgcacggtc tcctgaaagt ctccgggtgg 2040  
caagctctgc tggggaccag gtttgacttt ttaaaatagc aaaacagatt tagagtcaaa 2100  
ctgagcccag aaacggggaa tcagactgga tgggtgctgag tctgggggaa aatctggtgt 2160  
gaccaggtaa taatggagac caatttacct gaatggctcg aacaggctct gagagcaatg 2220  
ggaagaaaag gttctccaaa atgtttctgg caatggcagc cacagtggga tagctaaggg 2280  
cacagtccac caagcactag ggtgggtcaac aatgaaatga acatctc 2327

<210> 9073  
<211> 131  
<212> DNA  
<213> Homo sapiens

<400> 9073  
tatttatttt gagatggagt ctgctctgt cgcccaggct ggagtgcagt ggctcgatct 60  
cggctcactg caacctccgc ctctgggtt cacgccattc tctgcctca gcctcccag 120  
tagctgggac t 131

<210> 9074  
<211> 126  
<212> DNA  
<213> Homo sapiens

<400> 9074  
ttaaagatttc taactacatt tacttccttg acgaagcttc ggccgtgcgt agactgggtca 60  
gcttccgggg tgactagagc agggctgtgg tcactttcac tggcatctgg gtccctgtcgt 120  
aggatc 126

<210> 9075  
<211> 531  
<212> DNA  
<213> Homo sapiens

<400> 9075  
cctgtatcac tcgagaagcc ctgtatgtca catttattat tccttttaga cacatcctca 60  
gccaagtgtg gtaaatgtcc acactccctc cctgcttccc tcccttcctt cctccttttt 120  
tcaagaagag gaggtttgtg ttgccttcag atgactgttg atttaattga caggcagctt 180  
ttcttcattg tgtgcttttt gcttttgctc acaaaaagtgc attcactatt ctatagtatg 240  
ttgaaacttt taaatggaaa cggcttttca ttaacaaagg aagcattttc ttccccctt 300  
ccatgcctta gctttctccg ctaagtcttg gcttcttcag cagctgtacc tccaccagaa 360  
atgacaaaag gtgcaattgt gctaggagat ggcgatgaag atatgccagt ggagttttgt 420  
gtgtgggctg ctggggactg ttttccttct gtgtttggtt ttgttttatt tttgttatcc 480  
cagaaagttg agagcacatc taaaaaccaa aaaaaaaaaa aaaaaaaaaa a 531

<210> 9076  
<211> 531  
<212> DNA  
<213> Homo sapiens

<400> 9076  
cctgtatcac tcgagaagcc ctgtatgtca catttattat tccttttaga cacatcctca 60  
gccaagtgtg gtaaatgtcc acactccctc cctgcttccc tcccttcctt cctccttttt 120  
tcaagaagag gaggtttgtg ttgccttcag atgactgttg atttaattga caggcagctt 180  
ttcttcattg tgtgcttttt gctattgctc acaaaaagtgc attcactatt ctatagtatg 240  
ttgaaacttt taaatggaaa cggcttttca ttaacaaagg aagcattttc ttccccctt 300  
ccatgcctta gctttctccg ctaagtcttg gcttcttcag cagctgtacc tccaccagaa 360  
atgacaaaag gtgcaattgt gctaggagat ggcgatgaag atatgccagt ggagttttgt 420  
gtgtgggctg ctggggactg ttttccttct gtgtttggtt ttgttttatt tttgttatcc 480  
cagaaagttg agagcacatc taaaaaccaa aaaaaaaaaa aaaaaaaaaa g 531

<210> 9077  
<211> 518  
<212> DNA  
<213> Homo sapiens

<400> 9077  
caagttaaca atgagcaaaa ttcagtaaac tagttacctc tggaggcaga gacagagggga 60  
tgggataggg aagaagtata ctagtagata caaccatatt ggcaatgttt tagttcttaa 120  
gttgggtagt ggattcatag gcatttatta ttaccaggct tcatagctta cagatatagt 180  
atatgtattc ttttgcattt ttcagaattt taaaggcagc taaaggatgt tgtctaaata 240  
gaatttataa aagagaggag tagaagacag tatgtcatgc atgatttgtt tgtatatgtc 300  
ttacatcctt aactaaaagt gtaaattaat tgagcataaa gaccgtattt aatgcttcta 360  
ttttattatc tatattatag attctataag acctactata attcgttcta caaaataagg 420  
actcagtctg tgtttattga ttacatgatt tgaaatagct ataaaacagt aagtttaaac 480  
actttatttt cagaaaaatt caaattgatc tgttgggg 518

<210> 9078  
<211> 512  
<212> DNA  
<213> Homo sapiens

<400> 9078  
caagttaaca atgagcaaaa ttcagtaaac tagttacctc tggaggcaga gacagagggga 60  
tgggataggg aggaagtata ctagtagata caaccatatt ggcaatgttt tagttcttaa 120  
gttgggtagt ggattcatag gcatttatta ttaccaggct tcatagctta cagatatagt 180  
atatgtattc ttttgcattt ttcagaattt taaaggcagc taaaggatgt tgtctaaata 240  
gaatttataa aagagaggag tagaagacag tatgtcatgc atgatttggt tgtatatgtc 300  
ttacatcctt aactaaaagt gtaaattgag cataaagacc gtatttaatz cttctatttt 360  
attatctata ttatagattc tataagacct actataattc cgtctacaaa ataaggactc 420  
agtctgtgtt tattgattac atgatttgaa atagctataa aacagtaagt ttaaacacta 480  
ttttcagaaa aattcaaatt gatctgttgg gg 512

<210> 9079  
<211> 1014  
<212> DNA  
<213> Homo sapiens

<400> 9079  
gccaagcttc aaacatagat ctcttgactc cattcatatg accctataaa ctgtctcaaa 60  
acaaaaagat aaattaatat aaatatattt tgaatatgtc tttgtagaga aagcataata 120  
agcataaagg gcaatgcgtt aacctttatc acaagcaacc ctattggaat gtgtcaactt 180  
atcagaatga atcaggccag aatatcaagt ataaatgaag cctgtagtta actgaaagtt 240  
gcataatcaat caggcactcc agtttctctc ctcaaactct gaatattcaa tgaataagat 300  
aaagaaatgg ctaatttgat tttacctttc atttttttga cctaattcta aggtgactac 360  
tcactcctca agatttaact aatgttgctt tattttttatc cctctgggga gacagaagag 420  
atgattggga aacacatgtt tgaagtttgt aagttctgct gctttcaacc ccacagatgt 480  
ctcttactgc ccacttgggc cctggtgatt aagcaactag atttgagacc agtcaggctt 540  
ttgttttagac attttaactt tttcttgctt tccttgcaaa ctctcagcc ttcagactgg 600  
ttggaaagta aatgtacaat cttacataaa ttttcaggta atagcatttc agctttttcc 660  
ccaagatttt ttgcttggga ggagacagat tagactggat tcggagtcctt gatttttgcaa 720  
aggttaacaaa agacatgttt ttttataaga cttttcatca taagtttatt ttattcaaca 780  
gaagcaaaaat ctaatttgat gaaaaaata aagatctgtg ataaatctga tctgtgtgga 840  
taaacacaat tagaaagact taaagattaa gtattgaaac aaactaccaa aatattttta 900  
tactgatttg taaaaatttc agtacatttt tcttctttgc ttaattctac tgggtcctgt 960  
ttttcatcaa aacattctat catgttagta tacaatagcc aaaaaaaaaa aaaa 1014

<210> 9080  
<211> 1015  
<212> DNA  
<213> Homo sapiens

<400> 9080  
gccaagcttc aaacatagat ctcttgactc cattcatatg accctataaa ctgtctcaaa 60  
acaaaaagat aaattaatat aaatatattt tgaatatgtc tttgtagaga aagcataata 120  
agcataaagg gcaatgcgtt aacctttatc acaagcaacc ctattggaat gtgtcaactt 180  
atcagaatga atcaggccag aatatcaagt ataaatgaag cctgtagtta actgaaagtt 240  
gcataatcaat caggcactcc agtttctctc ctcaaactct gaatattcaa tgaataagat 300  
aaagaaatgg ctaatttgat tttacctttc atttttttga cctaattcta aggtgactac 360  
tcactcctca agatttaact aatgttgctt tattttttatc cctctgggga gacagaagag 420  
atgattggga aacacatgtt tgaagtttgt aagttctgct gctttcaacc ccacagatgt 480  
ctcttactgc ccacttgggc cctggtgatt aagcaactag atttgagacc agtcaggctt 540  
ttgttttagac attttaactt tttcttgctt tccttgcaaa ctctcagcc ttcagactgg 600  
ttggaaagta aatgtacaat cttacataaa ttttcaggta atagcatttc agctttttcc 660

ccaagat	ttgcttg	ggagacag	tagactgg	tccgagtc	gattttg	720
aggtacaaa	agacatgt	ttttataa	cttttcat	taagttt	ttattca	780
gaagcaaat	ctaataat	ggaaaaaa	aagatctg	ataaatct	tctgtgt	840
taaacaca	tagaaag	ttaaagatt	gtattgaa	aaactacc	aatatttt	900
tactgatt	taaaaatt	agtacatt	tcttcttt	ttaattct	tgggtcct	960
ttttcatc	aacattct	catgttag	tacaatag	aaaaaaaa	aaaaa	1015

<210> 9081  
 <211> 1142  
 <212> DNA  
 <213> Homo sapiens

<400> 9081						
gtttg	tattttt	atatatt	tgttcct	tccttct	cctgatt	60
tttac	atgttt	taccatt	attctgt	cttttta	ctacatt	120
ttgcatt	cttataa	ttactat	gactata	tgtgtat	atttatc	180
atgaaa	acta	tttgcca	aatcttg	acactaa	agt	240
tctgctt	acc	tcccg	tctat	cctttgg	tgc	300
ttttaaa	caaatg	cag	tgctaca	agt	ttgtctt	360
aaggat	gtta	aaatat	ctgg	gtagtt	atta	420
atctatt	tatt	ataatt	tac	tagttag	aat	480
ggtgaac	cga	gtatag	agta	tagaaca	aga	540
gttcct	gga	cgaat	ctgtt	tcagtta	aat	600
ggtttt	ccca	ccaaa	aggcc	aaactg	aaaa	660
tgcatt	gtaa	atcatt	tagc	attcatt	aat	720
gcttgt	gcct	tttct	catct	gtttag	aat	780
ttactg	acag	ggaaa	gcctt	gtaag	acagt	840
atttct	ttac	aattg	aatgg	aaaaa	attacc	900
tggtac	ggtt	tgagg	tttta	aaaaa	attct	960
gaccatt	tttt	tgtaag	gaat	catttt	atca	1020
ggttg	cacat	cacttt	ctat	aacag	agaga	1080
gccaat	gtcc	cttac	attt	cacct	ttggc	1140
gg						1142

<210> 9082  
 <211> 1142  
 <212> DNA  
 <213> Homo sapiens

<400> 9082						
gtttg	tattttt	atatatt	tgttcct	tccttct	cctgatt	60
tttac	atgttt	taccatt	attctgt	cttttta	ctacatt	120
ttgcatt	cttataa	ttactat	gactata	tgtgtat	atttatc	180
atgaaa	acta	tttgcca	aatcttg	acactaa	agt	240
tctgctt	acc	tcccg	tctat	cctttgg	tgc	300
ttttaaa	caaatg	cag	tgctaca	agt	ttgtctt	360
aaggat	gtta	aaatat	ctgg	gtagtt	atta	420
atctatt	tatt	ataatt	tac	tagttag	aat	480
ggtgaac	cga	gtatag	agta	tagaaca	aga	540
gttcct	gga	cgaat	ctgtt	tcagtta	aat	600
ggtttt	ccca	ccaaa	aggcc	aaactg	aaaa	660
tgcatt	gtaa	atcatt	tagc	attcatt	aat	720
gcttgt	gcct	tttct	catct	gtttag	aat	780
ttactg	acag	ggaaa	gcctt	gtaag	acagt	840
atttct	ttac	aattg	aatgg	aaaaa	attacc	900
tggtac	ggtt	tgagg	tttta	aaaaa	attct	960
gaccatt	tttt	tgtaag	gaat	catttt	atca	1020
ggttg	cacat	cacttt	ctat	aacag	agaga	1080
gccaat	gtcc	cttac	attt	cacct	ttggc	1140

<210> 9083  
 <211> 7024  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (6957)  
 <223> n equals a,t,g, or c

<400> 9083

cctcatccct	ccctcggacc	cacttctgag	actggtttcc	caagcagaag	tggagatgga	60
catcagaccc	tcgtgagaaa	ctcagaccag	gcatttcgga	cagagttcaa	cttgatgtat	120
gcctactccc	ctttgaatgc	tatgcctcga	gcagatggac	tgtatcgagg	atctcctcta	180
gtgggggata	ggaagccttt	acatttggat	gggggatatt	gttcccctgc	agaaggattt	240
tccagcagat	atgaacatgg	cttaatgaaa	gacctctctc	gtggatcctt	gtcacctggt	300
ggtgaaaggg	cctgtgaagg	agtcccacat	gccccccaga	accaccaca	gaggaaaaaa	360
gtaagtgttt	catgttatat	cggcgaactt	ttcaagaatg	ttaaccaagt	agtttagtag	420
atattcataa	gtttctgcta	tgtgttcctc	actactctca	gacaagtgag	acatagtctc	480
tgccaaatcc	agtgaagac	aggctgtttt	agtacaactt	ggtgaatggt	gtaaatattc	540
agcaaatgta	aatgcctgta	tgtgccatat	acttgctagg	caattgagag	gttagaacag	600
tgaaaaagaa	attttaccta	ttatttagtg	tgtcccaagt	tcgaggcact	gtattaagct	660
ctttaaatgt	gttttatcct	cacagtaagc	ctataagata	ggcaattttc	tattttgcac	720
atgaggaaac	taaggcaagt	tgagtaactt	tcccgtggtc	acacagctag	taaatggaag	780
gaccaggata	ctaccaggtt	tgagagagaa	ggctggagtg	agaggcagca	ggttactgat	840
ttaactgaat	ctcaaacaat	aagtaggagt	cagccaacca	acaattgagg	gtgagggtatg	900
ttacagtaga	gggagtagaa	caggtaatta	ggtggcactc	cattggccag	gcagcaggca	960
tgcagtatgg	tgcaaacagt	tggatgttgt	tgtatcaggt	ggaaggccgg	gggagccagg	1020
aggaaagtgc	agagagtgtc	gggctggggc	aggccataga	gagcttgcta	atgggttggg	1080
actccacttc	caagtaatgc	ctgatcaaga	agtcacaaag	ccaaaaatat	gcttttgtat	1140
aagtggttct	caactagggg	tgtttgagaa	tgagtaggag	tgttttgaat	tgtcccagtg	1200
acttgcattt	attgagcagg	gccagggatg	ctgaatgtcc	tgtatagggg	acagtcccat	1260
gtaatggcca	aacatctgta	gtatcctcat	tgaaatgaaa	cctagtgggt	tttttatatt	1320
ttcattataa	tgatattacc	agaatttatt	aacttctttc	caaaattatt	tctagaaaat	1380
gcatatgcaa	aactgtctat	atttttgttc	catttggaca	gaaaaatgag	aaccctaagg	1440
ggatagaagg	aggaggaaac	attggcagat	aatttggatt	aagataataa	ttgatttcga	1500
agattgttgc	gtgaacagca	ttgactacca	gaaacaaaac	tgaaaacaat	ctttggattt	1560
ctgggttttat	aatattttact	atgtgcaaaa	gtcatagaaa	ttatgatatt	ttatttcaga	1620
aacacttctg	aaattttattg	ggcacattta	agcataaatt	taagcatatg	ccaaattctg	1680
tgctggatgt	taaagataaa	aagccagata	aacttggcct	ttgccttcct	agaacttata	1740
gttttagtcag	ggagcaatca	aggcatggta	ataggttcta	cggcctgtgt	aagcaatgtg	1800
ccagaacaac	aaagagaagg	tgtctaggca	gggcacggat	tatggtgggc	agggtgggat	1860
gggagggtctg	ctgtcaggaa	agaatgagca	agcattaggg	agatgaaggg	gaagttaggg	1920
agaagttacc	aagttgtttt	ctagagctag	cttgctaaaa	ttataaactg	gaaataataa	1980
tttctctct	ttttacatta	attacatcta	tgtgtaagac	agaaacagta	ataaattcct	2040
atttatatct	tgaaaatttg	aacatattta	agtatcctgg	agcattgggt	ttttcttctg	2100
ttttgttttg	tttttccttc	tctctctccc	tctctctctc	cacctacctc	tccccacctc	2160
cctctcctcc	atctccttct	cctctccttg	cttctttctc	tcaaacagct	aactctaggg	2220
gttcccaagg	agtacagaac	agccatcagt	cacctgggag	gctttttaaa	ctatacaagc	2280
ttccaattct	cccttctcta	ggtacttcca	ttgttgcaaa	taactgtgat	agcatgcttc	2340
tgttactgtg	taatggtaac	ctcacaagtt	tttctgaagg	cagaaaaaaa	gatgggtggtc	2400
taattggcaa	acattcttta	gagacttgcc	tcctagttta	ttatcttctc	cttaccattt	2460
tccagctgcc	ttaaatatgt	agctgtgctc	agatctcttt	catactcccc	aaaaaaagtt	2520
atcagggttg	gtgtctgctt	tgtttgctgt	gcttggctag	tggtttacta	aggtagcatc	2580
tttcccttct	ttccctgttg	tggtgatcca	ctaattgat	ccagatagag	taccgttttt	2640
tgtttggttg	ttttttcctt	tctaggtatc	cctgctggag	taccgaaaac	ggaaacaaga	2700
agctaaggaa	aattctgctg	gtgggggagg	tgactctgca	cagagcaaaa	gcaagtctgc	2760
aggagctggg	caaggcagca	gtaactccgt	ttccgacact	ggtgcccatg	gtgtgcaggg	2820

atcctcagcc	cgaactccat	cttccccctca	caaaaaattc	tccccatctc	attcctctat	2880
gtcccatattg	gaggcggttaa	gccccatcaga	ttccagaggc	acttcttcat	ctcactgcag	2940
acctaagag	aatatcagca	gtaggtggtta	agtttatatt	tgatgtttta	tagttaaatt	3000
gggggtggg	gggagtatat	atctaagatc	attcccagtt	ttacctaaaa	tctatgggaa	3060
cacttgatgg	gaacatctga	gacagccagc	caacagttacc	atctgtcctg	ttcagctgat	3120
ttataaatgt	cagctgcaac	ccccagctt	tgcagaatta	agaattacca	acatgcctgt	3180
ggagcagtg	tttgatgac	atgtagttat	ggatgcagat	gagctctttc	atttgggtggg	3240
cactaacact	gcctttccta	tttctcattt	cacatgaaag	gtgagtcaag	aatccagcca	3300
agttccacat	gaattaacaa	cagatgtctc	tcttccacac	agctagcata	tacagagcaa	3360
aaagacattc	tgaaaggatt	tgtctggttt	aggggagacc	acaaatttaa	aaatgaataa	3420
tactggtggc	aaatactgag	gatcaaattgt	gtgaaataga	gaatgaagca	caggagttca	3480
gggatcttga	actgaaaaaa	ataagtctgg	gaaagaacag	tcctggctca	aatgtttcat	3540
gttcattaat	ctatgaaacc	tttattaaac	cagtactgtg	tatcaggcac	atgatttcct	3600
aaaggagaaa	ttttaacatt	ttaaatgggg	gttaagggaa	gttaacatct	ttaaccact	3660
ttttccttga	tttctttttc	tttaaaagt	gttggtgttg	atgtttctct	tttgtgctg	3720
acatagttgg	aggcagagga	aatacgttgt	tttaaatgg	ttctgaagaa	agtaattgtt	3780
aagaggatgt	tttaagaaaa	tacactgtgc	actggttagg	gcttcatttg	ttttgggttaa	3840
gtcctgtggc	ttgaacttgc	accctgttgc	ctttacagga	tggttccac	atcagtagaa	3900
cgactccgag	aaggagggag	catccccaa	gtcctccgaa	gcagcgtgag	ggtggcccaa	3960
aaggagagc	cctctccccc	atgggagagt	aacatcacag	agaaagactc	aggtgagccc	4020
atggccttgc	ctgtccacca	cattcaggga	cacatgagcc	gagtcctgta	cagttcatgc	4080
ctagtgctga	gttgaggtga	gtcagtttct	gatgcagttg	ggctccaccg	catgctaggt	4140
tccagcccac	ttatgtctcat	ttgggtctacc	acatttgtaa	gatctagcat	tgcttgctct	4200
ctgtctgtct	ttttttcccc	aaggaatacc	tttctgtaac	tctcatctct	ccaaagtcct	4260
ggaaatctac	ctcgatgaag	gatgaagaga	aagaagacgg	gaatcacatc	aggcatttag	4320
aacatagccc	ataattaacc	actcattttg	cccttctggc	atgctgcaat	cacccaattt	4380
gtcaciaaaga	gagcagtagc	ggttggtgat	ggcactgggt	atttaaataa	aaaatggctc	4440
tttcttactt	attctaagaa	gccaagttga	ttttttttta	tatatgttac	cttccagacc	4500
ctgcagatgg	agaaggccca	gagacattga	gctcagcact	ctctaaagga	gcaacagttt	4560
acagcccttc	catagacagc	taccagttga	gatgcagaat	tgctgggtct	tagccatagg	4620
agtgtgttct	gggtcccaaa	ttgtcctggt	catcctttgc	cattgagatg	ctgtctttgc	4680
atatagtttc	agcagccttg	gaaataagtc	atcatctgct	tgctctcagg	taataaatta	4740
tgccagaaga	tgaatacggg	gatcaaagac	agacatttta	ctgccttttg	tttcttaaaa	4800
agaatacatg	gttaaaagat	gaagaaaaaa	gaatgtaggg	tattataaat	gttcaccagc	4860
catttaaggg	acttggttcg	gtccttattc	gtttcctccc	aactttgtct	agctcctgca	4920
gtgtgatagt	cctcggacag	aatcacaaa	cctccttcag	cagagttcct	cccccttcag	4980
aggacatcct	acacagttct	caggatacag	ttatcgaact	actgcactga	gacctggaaa	5040
ccccccctct	cacggttctt	cagaatcatc	cctctcttcc	acgtcctatt	ccagccccgc	5100
ccacccttgc	tccacagact	cgttggtccc	atttacgggg	acaccagggt	attttagcag	5160
ccagccacat	tctggaaaaca	gcactgggca	gcaatcttcc	aaggaggagc	tgcccttcta	5220
gtgctgctag	ccctaccctg	cagggaccct	cagactcgcc	aacctcagat	tcagtttctc	5280
agtccagcac	aggaactctg	agttccacct	cctttcttca	gaactctagg	tcgtcattgc	5340
catcagactt	acggactatc	agtctgcccc	gtgctgggca	gtcagctgtc	taccaggcct	5400
ccagggtatc	tgcggtttcc	aattcacatt	tctaccacca	ccgtgggagt	gggggtgtgc	5460
accagtaccg	actccagcca	ctgcaagggt	caggagtcaa	gactcagacg	ggactttcct	5520
agggtctctg	gatttgggca	aacagaactg	aatgagccca	tagctgcttc	cttccagctg	5580
cctctggaac	ctaggccgag	catattgctg	aggaacgggg	ggtacaaggt	gccagaggat	5640
tgggtctggt	ggacaagaaa	caagacttgt	ggtcacaatt	ggcctctggc	cttgagagaa	5700
gctgtaaatc	ttgtctgaag	cagagactat	aaagaagttt	ctccctgctg	tcaagggtac	5760
attgttgaca	agcaaatggt	gtttcgggta	gtaacgggtc	taagtgaat	gagttgtgtt	5820
gaagcctccg	tctcccatcc	ttgcctgtag	cccgtagtca	cttgtgcagt	gaggacatct	5880
ttttaaat	aaaaaaaaaa	aaaaaaaaag	ttttcaaagg	aaaaaaagtt	aaaagagcca	5940
atctcaaagc	cccaagccat	ctgagtagct	ttagggtttt	atgcacttaa	gaaaaaaggt	6000
aggatgttaa	atgttcatcc	taagacaacc	attccaaaag	caggtagctg	gccaatgtgt	6060
gtccaccaag	aatactgttt	atctttgtct	taagatcacc	aagaaatagg	caaggatagt	6120
aaagcttga	acctgcacca	actggagggt	gcttggtctc	ttgaagaaaa	gctcatggtc	6180
agctcttgat	tattcgggag	cagattattt	gagtagattg	tctgagcctc	caactgttac	6240
catctactc	ccccttccca	agctatttca	cagctcagta	acccatgaag	taagtagaca	6300
agaaaaggag	gaatgagaca	tgatataggg	caattgcatt	gctacttacc	agcttttggc	6360
aataaat	attaggaagg	ataccgagtg	gtttgggaat	gcttcgaatt	ttattttttc	6420
tactcccaat	taatcaggag	ttgatgatcc	catgagcagg	accgcctcca	tgattgggga	6480



gcatgcactt	gtgactgcag	ggtaagagtg	ggaagatagg	tttgtggagt	ggcaccgaca	6540
ggactgtgat	tgtgtgtggg	cctgccccac	atctctctgg	gggatgctta	tgtgagagtg	6600
ggcccagtg	aagagttacc	aagccaccca	caccctaacc	actgttcttg	atgagagatg	6660
agagcagacc	ggcttctccc	catcagtgca	ttgtgcctgt	tgtacacccc	tggaggagcc	6720
ctggagccag	cccaggtggg	gtacacaatc	tttttaaat	ccatatgggt	gccagcttat	6780
ttcttttact	tgtttactgt	aatatctggc	gtgtttttat	ttatctaatt	ttgtattcag	6840
ttataaccat	ggtaggggta	gtgaatatat	gacaggtgta	atccctgggt	ctgcagtgga	6900
ccttcttttc	ttttggacaa	gataatactg	tgagtttccc	tccttccttc	cctctanttt	6960
ggtttccttt	ttttcccagc	cctcttgcat	ccccttcttt	tctaccctgt	cctacaacta	7020
tcat						7024

<210> 9084  
 <211> 3488  
 <212> DNA  
 <213> Homo sapiens

<400> 9084						
tttcatgttc	attaatctat	gaaaccttta	ttaaaccagt	actgtgtatc	aggcacatga	60
tttcctaaag	gagaaatttt	aacattttta	atggggggtta	aggggaagtta	acatctttta	120
cccacttttt	ccttgatttc	tttttcttta	aaagtgggtg	ttgttgatgt	ttctcttttg	180
tgcttgacat	agttggaggc	agaggaaata	cgttgtttta	aattggttct	gaagaaagta	240
atgtttaaga	ggatgtttta	agaaaataca	ctgtgcactg	gttagggctt	catttgtttt	300
ggttaagtcc	tgtggcttga	acttgcaccc	tgttgccctt	acaggatggt	tcccacatca	360
gtagaacgac	tccgagaagg	agggagcatc	cccaaggtcc	tccgaagcag	cgtgaggggtg	420
gccccaaagg	gagagccctc	tcccacatgg	gagagtaaca	tcacagagaa	agactcaggt	480
gagcccatgg	ccttctgctg	ccaccacatt	cagggacaca	tgagccgagt	cctgtacagt	540
tcatgcctag	tgctgagttg	aggtgagtc	gtttctgatg	cagttgggct	ccaccgcatg	600
ctaggttcca	gcccacttat	gctcatattg	gctaccacat	ttgtaagatc	tagcattgct	660
tgctctctgt	ctgctctttt	ttccccagg	aatacctttc	tgtaactctc	atctctccaa	720
agtcctggaa	atctacctcg	atgaaggatg	aagagaaaga	agacgggaat	cacatcaggc	780
atttagaaca	tagcccataa	ttaaccactc	attttgccct	tctggcatgc	tgcactcacc	840
caatttgtca	caaagagagc	agtacgggtt	ggtgatggca	ctgggtgattt	aaatgaaaaa	900
tggctctttc	ttacttatcc	taagaagcca	agttgatattt	tttttatata	tgttaccttc	960
cagaccctgc	agatggagaa	ggcccagaga	cattaagctc	agcactctct	aaaggagcaa	1020
cagtttacag	cccttccaga	tacagctacc	aggtgagatg	agaaattgct	ggtctctagc	1080
cataggagtg	tgttctgggt	cccaaattgt	cctggtcatc	ctttgccatt	gagatgctgt	1140
ctttgcata	agtttcagca	gccttgga	taagtcatca	tctgcttgct	ctcaggta	1200
aaattatgcc	agaagatgaa	tacgggtgat	aaagacagac	attttactgc	ctttgggttc	1260
ctaaaaagaa	tacatggtta	aaagatgaag	aaaaaagaat	gtagggtatt	ataaatgttc	1320
accagccatt	taagggactt	gttcgcgtcc	ttattcgttt	cctcccaact	ttgtctagct	1380
cctgcagtg	gatagtcttc	ggacagaatc	acaaagcctc	cttcagcaga	gttctctccc	1440
cttcagagga	catcctacac	agtctccagg	atacagttat	cgaactactg	caactgagacc	1500
tggaaacccc	ccctctcacg	gttcttcaga	atcatccctc	tcttcacagt	cctattccag	1560
ccccgccac	cctgtgtcca	cagactcggt	ggccccattt	acggggacac	caggggtattt	1620
tagcagccag	ccacattctg	gaaacagcac	tggcagcaat	cttccaagga	ggagctgccc	1680
ttctagtgt	gctagcccta	ccctgcaggg	accctcagac	tcgccaacct	cagattcagt	1740
ttctcagtc	agcacaggaa	ctctgagttc	cacctccttt	cctcagaact	ctaggtcgtc	1800
attgccatca	gacttacgga	ctatcagttc	gcccagtgct	gggcagtcag	ctgtctacca	1860
ggcctccagg	gtatctgagg	tttccaattc	acagcactac	ccacaccgtg	ggagtggggg	1920
tgtgcaccag	taccgactcc	agccactgca	agggtcagga	gtcaagactc	agacgggact	1980
ttcctagggc	ttctggattt	gggcaaacag	aactgaatga	gcccatagct	gcttctctcc	2040
agctgcctct	ggaacctagg	ccgagcatat	tgctgaggaa	cgggggggtac	aaggtgccag	2100
aggattgggt	ctgggtggaca	agaaacaaga	cttgtgtgca	caattggcct	ctggccttgg	2160
agaaagctgt	aaatcttgtc	tgaagcagag	actataaaga	agtttctccc	tgctgtcaag	2220
ggtacattgt	tgacaagcaa	atggtgtttc	ggttagtaac	ggttctaagt	gcaatgagtt	2280
gtgttgaagc	ctccgtctcc	catccttgcc	tgtagcccg	agtcacttgt	gcagtgagga	2340
catcttttta	aattttaaaaa	aaaaaaaaaa	aaaagtgttc	aaaggaaaaa	aagttaaaaa	2400
agccaatctc	aaagccccaa	gccatctgag	tactgttagg	gttttatgca	cttaagaaaa	2460
aaggtaggta	tgtaaatgtt	catcctaaga	caaccattcc	aaaagcaggt	atctggccaa	2520
tgtgtgtcca	ccaagaatac	tgtttatctt	tgtcttaaga	tcaccaagaa	ataggcaagg	2580



ttttttgtag	caaaggctgt	gacacattgt	gaaatatcaa	aaagggtgtca	cgtataaaga	2280
ccagcttagg	ctgggcatgg	tggtcacac	ctgtaatcac	agtgccttgg	aaggctgagg	2340
caggaggatt	gcttgaggcc	aggggttga	gaccagcctg	ggtaacatcg	tgagaccaca	2400
tttctgcaaa	aataaaatac	aaaacttagc	cagggtgtagt	ggcatatacc	tgtagtccca	2460
gctacttggg	aggctgaagc	aggaagatca	cttaagacca	ggagtttaag	actgcagtga	2520
gccattattg	tgccactaca	tgccagcctg	ggcaacagtg	agatcccatc	tctaaaaata	2580
atttaaagac	cagcttaggc	cagggtacagt	ggcacacacc	tgtaatccca	gctactcggg	2640
aggccaaggc	aaaggaattg	cttgagcctg	ggaggttgca	gggagccaag	actgcgccac	2700
tgcatccac	attccagcct	gggcaacaga	gggagactct	ctctcaaaaa	aaaaaaaaaa	2760
aaaaaaaaaa	caaccttact	agattagttt	ggggaaggat	atTTTTtgaga	aggaaaaaag	2820
cattcaggaa	aatggtgaga	agtcttaagt	gctaagggga	agaaggtaag	aagataaaca	2880
gtggaagaga	acaagatctt	caggagggga	aagcatctag	aaagaagagt	ggaagcaaca	2940
ttgggaggac	aagcttagtt	agcctctcct	ttctaccaga	ataacctcc	cctcctattc	3000
ttgccctgag	agccatactc	caccgcgcac	ttcacacata	cgtgcaccta	gatgtacacc	3060
acccactgtc	catgccaaagt	aaaattcaca	gccaaaaccc	tgctttgctg	aagcagcctc	3120
atttcccccta	cctcagcatg	tgctgccac	ctaggccaca	gttattcaga	gtctacatta	3180
ggcaccctct	ccttacctca	gccctagcac	ccctgagtc	ttgtcacact	accaccttca	3240
ctctcttcac	gtgttcccat	ttacatcttt	ccattaagca	ctcactgctc	agtctctgtt	3300
atgggactgc	tgccctcacct	gaaagtccca	aggtaaagtc	ctacctctg	taggatacac	3360
ggacctaagt	atacacatac	atgctttttc	tgctctgttg	ccaaaagtac	aatggatttt	3420
acaaaataac	attaataggg	gtggctcagg	tctaattaga	ttatgccaag	aaccaactct	3480
agcctgtgag	ctagggattc	catcaatcag	atttctgta	actgtcattc	aagaggaaact	3540
ggccatctcc	ctaaccatgt	cagccccag	cacactaatg	tctccccctg	gatagcactg	3600
ggagggcctg	aggcatataa	gagaataaag	aaatgtgaca	agcagaagag	gcattggatg	3660
aaggaacaag	gtccatgtaa	ggaggaataa	ggggtagggt	gcccctcaat	aacaaatact	3720
gtaggttgct	aaactctcat	ctaaaataca	aagacgtata	acactaaaat	ttcaccagtc	3780
taactctttc	cttgatatgtg	cttgagatgt	ttacttacag	catgaaacat	tataaccaat	3840
ttatccttaa	atgcttttcag	agataccagg	aagcatttta	acaagtcatt	ctgtccattg	3900
agatgagttc	tgcaagttaa	tatttcccct	atgcattctt	attcaacttc	cccgcctccg	3960
aaaaaagtta	tggtctaacat	ctatgcttgc	tttttttttt	tgTTTTgttt	tgcttcttga	4020
cttcgagtag	atgaataata	acaagatgct	tttccctcct	ctagaacata	tcctccccctg	4080
agagttcccc	tgcgcatagg	cccaggtccc	tgtcacccga	ggtagttatc	acaccatctc	4140
aatcacactt	ggaggctgag	agtgagtggt	catgaatgtg	ttcctgagtg	tgtggggagg	4200
gctggggatc	tgagtcagtg	gggtgatggg	ctggagggcg	gccactcagt	cacagtaagt	4260
tgaatgagtc	ttcctgtgtg	actgtgacta	cacaggactg	tcaatgtaga	tggaggaaaa	4320
tgaaggtagg	agcgtgtgtg	tttgtgtgtg	tgtgtgttgt	gtgtgtgttt	gggtggggtt	4380
gtttttgccc	tttgggggag	ggggtggctg	gagttctatt	aaagaataga	atctagaagt	4440
caagatgctg	atatgtggta	ggagccttgt	taaagaaagg	ctaataaatc	aggaaagttg	4500
agtcaaaaag	tgtaagagct	gttttttagg	ttgggtgggt	acttatgcct	tgttctaggg	4560
ttaatctaac	agctctgtaa	accagatgtt	ttgacctttg	gttgatagat	tgagcagctt	4620
cttcagggaag	ggaaaagtc	tctgtctttc	agctttccta	catttttctc	gcagctcctt	4680
actgggtgca	caaggaaacc	aagtgagtc	ctggctttct	gtcacaggcc	accattctgc	4740
aatggttagg	atatggttgc	tatacaagtg	ttatctcttt	aggatatcag	tagagtgggt	4800
ttctcacaaa	ccctactgct	gtggatatgt	caaactcaga	tttttagtgc	agagtttcta	4860
ttataagctt	tcagatttag	taacattaac	tctgaatcta	ttaatacatg	ggaccttttt	4920
tctcttgaag	agaaaagttg	agtctctcag	aaatagtcaa	ctgaacttta	accctatccc	4980
cttccaataa	aaaattaggg	cataattcag	tgacagtcta	ctaagttctg	aatcagtagt	5040
agttcacagg	ttaatatgaa	actgaaaaag	gtttttattcc	actagtatat	tagagatttt	5100
cttggtgttt	tgactctagc	ttgttaggaa	agtaaagctc	tctctcctca	gttggttaaag	5160
attctaagat	aacgtaattt	gaagactgat	atggtatggg	atctgggttt	ctggtaccat	5220
tctttgtcgg	ttagctgtag	ttgacctagt	gttggaagtt	tggaggttat	gataaccaaa	5280
tagtaggtgg	ggtttatttt	tggtacattt	cagcatttca	gaatctgcag	tgatgagcat	5340
tagtggctct	gtggtatgtt	gacgtacatt	agaggataaa	gaagaattga	gtggccagaa	5400
agttgtatga	gaaacacagc	ttctttaaca	gtgaaagtga	gtgaagaact	ggttgggttga	5460
tgtctttaat	gccatcctcc	tttactgaac	cagtaactta	agtacttgcc	tttccgtcta	5520
ccttctcctt	cctccacett	tttcccttcc	ccccaccttc	catcaatatt	aatttagaaa	5580
ttgataaccc	cgggaagccag	ttatcttaag	acaccagctc	catcttttgt	ttgtgcatgg	5640
ggctaaggta	aattccta	tataccactt	gtcccttagt	gtagtacaag	gtgactcagc	5700
aacctgatga	aaggctaagc	aggcaaaata	gtcacattta	gccaaattacc	taattcta	5760
tttcccagta	tttcccctcc	agaaagactt	gaaagcaatt	ttggaaaggc	caggattctt	5820
tagtactctg	gcccatgtac	actgttgcta	cgtgggactt	ttacagaata	taatggcttt	5880

atctgctcta	cttccgctcc	tcttatcttt	cctgtttcac	ctgtgtccct	ctccccctct	5940
ttctgcccct	tgactttttc	ctttctcccc	taccccatgt	ctccgttgat	ttttattctt	6000
tcagctttgt	caccgaaaag	acctggattt	ggcaaaaagta	ggataccttg	actccaacac	6060
taacagctgt	gctgatagac	cttccctact	caactcaggt	cattctgacc	tggctcctca	6120
tccctccctc	ggaccactt	ctgagactgg	tttcccaagc	agaagtggag	atggacatca	6180
gaccctcgtg	agaaactcag	accaggcatt	tcggacagag	ttcaacttga	tgtatgccta	6240
ctcccccttg	aatgctatgc	ctcgagcaga	tggactgtat	cgaggatctc	ctctagtggg	6300
ggataggaag	cctttacatt	tggatggggg	atattgttcc	cctgcagaag	gattttccag	6360
cagatatgaa	catggcttaa	tgaaagacct	ctctcgtgga	tccttgtcac	ctggtggtga	6420
aagggcctgt	gaaggagtcc	catctgcccc	ccagaaccca	ccacagagga	aaaaagtaag	6480
tgtttcatgt	tatatcgggc	aacttttcaa	gaatgttaac	caagtagttt	agtagatatt	6540
cataagtttc	tgctatgtgt	tccgcactac	tctcagacaa	gtgagacata	gtctctgcca	6600
aatccagtga	aagacaggct	gttttagtac	aacttgggtga	atggtgtaaa	tattcagcaa	6660
atgtaaatgc	ctgtatgtgc	catatacttg	ctaggcaatt	gagaggttag	aacagtgaaa	6720
aagaaatttt	acctattatt	tagtgtgtcc	caagttcgag	gcactgtatt	aagctcttta	6780
aatgtgtttt	atcctcacag	taagcctata	agataggcaa	ttttctattt	tgcacatgag	6840
gaaactaagg	caagttgagt	aactttcccg	tggtcacaca	gctagtaaat	ggaaggacca	6900
ggatactacc	cagtttgaga	gagaaggctg	gagtgagagg	cagcaggtta	ctgatttaac	6960
tgaatctcaa	acaataagta	ggagtcagcc	aaccaacaat	tgagggtgag	gtatgttaca	7020
gtagagggag	tagaacagggt	aattaggtgg	cactccattg	gccaggcagc	aggcatgcag	7080
tatggtgcaa	acagttggat	gttgttgat	caggtggaag	gccgggggag	ccaggaggaa	7140
agtgcagaga	gtgctgggct	gggccaggcc	atagagagct	tgctaattggg	ttgggactcc	7200
acttccaagt	aatgcctgat	caagaagtca	caaagccaaa	aatatgcttt	tgtataagtg	7260
gtttctcaact	aggggtgttt	gagaatgagt	aggagtgttt	tgaattgtcc	cagtgacttg	7320
cattttattga	gcagggccag	ggatgctgaa	tgtcctgtat	aggggacagt	cccatgtaat	7380
ggccaaacat	ctgtagtatc	ctcattgaaa	tgaacacctag	tggttttttt	atattttcat	7440
tataatgata	ttaccagaat	ttattaactt	ctttccaaaa	ttattttctag	aaaatgcata	7500
tgcaaaaactg	tctatatttt	tgttccattt	ggacagaaaa	atgagaaccc	taaggggata	7560
gaaggaggag	gaaacatttg	cagataattt	ggattaagat	aataattgat	ttcgaagatt	7620
gttgcgtaga	cagcattgac	taccagaaac	aaacatgaaa	acaatccttg	gatttctggt	7680
tttataatat	ttactatgtg	caaaagtatg	agaaattatg	atattttatt	tcagaaacac	7740
ttctgaaatt	tattgggcac	atttaagcat	aaatttaagc	atatgccaaa	ttctgtgctg	7800
gatgttaaag	ataaaaagcc	agataaactt	ggcctttgcc	ttcctagaac	ttatagttta	7860
gtcagggagc	aatcaaggca	tggtaatagg	ttctacggcc	tgtgtaagca	atgtgccaga	7920
acaacaaaga	gaaggtgtac	taggcagggc	acggattatg	gtgggcaggg	tgggatggga	7980
ggtctgctgt	caggaaaagaa	tgagcaagca	ttaggggagat	gaagggggaag	ttaggggagaa	8040
gttaccaagt	tgttttctag	agctagcttg	ctaaaattat	aaactggaaa	taataatttc	8100
ctctcttttt	acattaatta	catctatgtg	taagacagaa	acagtaataa	attcctattt	8160
atatcttgaa	aatttgaaca	tatttaagta	tccctggagca	ttgggttttt	cttctgtttt	8220
gttttgtttt	tccttctctc	tctccctctc	tctctccacc	tacctctccc	cacctccctc	8280
tcttccatct	ccttctcctc	tccctgcttc	tttctctcaa	acagctaact	ctaggggttc	8340
ccaaggagta	cagaacagcc	atcagtcacc	tgggaggctt	tttaaactat	acaagcttcc	8400
aattctccct	tctctaggta	cttccattgt	tgcaataaac	tgtgatagca	tgcttctggt	8460
actgtgtaat	ggtaacctca	caagtttttc	tgaaggcaga	aaaaaagatg	gtggtctaatt	8520
tggcaaacat	tcttttagaga	cttgccctcc	agttttattat	cttccctctta	ccaatttcca	8580
gctgccttaa	atatgtagct	gtgctcagat	ctctttcata	ctccccaaaa	aaagttatca	8640
gggttggtgt	ctgctttggt	tgctgtggct	ggctagtggg	ttactaagggt	accatctttc	8700
cttcttttccc	tgttgctggt	gatccactaa	tgatatccag	atagagtacc	gttttttggt	8760
tgtttgtttt	ttcctttcta	ggtatccctg	ctggagtacc	gaaaacggaa	acaagaagct	8820
aaggaaaatt	ctgctggtgg	gggaggtgac	tctgcacaga	gcaaaagcaa	gtctgcagga	8880
gctgggcaag	gcagcagtaa	ctccgtttcc	gacactgggtg	cccatggtgt	gcagggatcc	8940
tcagcccga	ctccatcttc	ccctcacaaa	aaattctccc	catctcattc	ctctatgtcc	9000
catttgaggg	cggtaagccc	atcagattcc	agaggcactt	cttcatctca	ctgcagacct	9060
caagagaata	tcagcagtag	gtggtaagtt	tatatattgat	gtttttatagt	taaattgggg	9120
gtggggggga	gtatatatct	aagatcattc	ccagttttac	ctaaaatcta	tgggaacact	9180
tgatgggaac	atctgagaca	gccagccaac	agtaccattc	gtcctgttca	gctgatttaa	9240
taatgtcagc	tgaacccccc	cagcttttga	gaatttaagaa	ttaccaacat	gcctgtggag	9300
cagtgctttg	gatgacatgt	agttatggat	gcagatgagc	tcttttcattt	ggtgggcact	9360
aacactgcct	ttcctatttc	tcatttcaca	tgaagggtga	gtcaagaatc	cagccaagtt	9420
ccacatgaat	taacaacaga	tgtctctctt	ccacacagct	agcatataca	gagcaaaaag	9480
acattctgaa	aggatttgtc	tggtttaggg	gagaccacaa	atttaaaaat	gaataatact	9540

ggtggcaa	actgaggatc	aaatgtgtga	aatagagaat	gaagcacagg	agttcaggg	9600
tcttgaactg	aaaaaataa	gtctgggaaa	gaacagtcct	ggctcaa	tttcatgttc	9660
attaatctat	gaaaccttta	ttaaaccagt	actgtgtatc	aggcacatga	tttccataag	9720
gagaaat	aacattttta	atgggggtta	aggggaagtt	acatctttta	cccacttttt	9780
ccttgatttc	tttttcttta	aaagtgggtg	ttgttgatgt	ttctcttttg	tgcttgacat	9840
agttggaggc	agaggaaata	cgttggttta	aattgggtct	gaagaaagta	atgtttaaga	9900
ggatgtttta	agaaaataca	ctgtgcactg	gttagggctt	catttgtttt	ggttaagtcc	9960
tgtggcttga	acttgcaccc	tgttgccttt	acaggatggt	tcccacatca	gtagaacgac	10020
tccgagaagg	agggagcatc	cccaagggtc	tccgaagcag	cgtgagggtg	gcccaaaagg	10080
gagagccctc	tcccacatgg	gagagtaaca	tcacagagaa	agactcaggt	gagcccatgg	10140
ccttctgctg	ccaccacatt	cagggacaca	tgagccgagt	cctgtacagt	tcatgcctag	10200
tgctgagttg	aggtgagtca	gtttctgatg	cagttgggct	ccaccgcatg	ctaggttcca	10260
gcccacttat	gctcatttgg	gctaccacat	ttgtaagatc	tagcattgct	tgctctctgt	10320
ctgctctttt	ttcccgaagg	aatacctttc	tgtaactctc	atctctccaa	agtcctggaa	10380
atctacctcg	atgaaggatg	aagagaaaga	agacgggaat	cacatcaggc	atttagaaca	10440
tagcccataa	ttaaccactc	attttgccct	tctggcatgc	tgactcacc	caatttgtea	10500
caaagagagc	agtacgggtt	ggtgatggca	ctgggtgattt	aaatgaaaaa	tggtctcttc	10560
ttactttatc	taagaagcca	agttgatattt	tttttatata	tgttaccttc	cagaccctgc	10620
agatggagaa	ggcccagaga	cattaagctc	agcactctct	aaaggagcaa	cagtttacag	10680
cccttccaga	tacagctacc	aggtgagatg	agaaattgct	ggtctctagc	cataggagtg	10740
tgttctgggt	cccaaattgt	cctgggtcatc	ccttgccatt	gagatgctgt	ctttgcatat	10800
agtttcagca	gccttggaaa	taagtcatca	tctgtctgtc	ctcaggtaat	aaattatgcc	10860
agaagatgaa	tacggtgatc	aaagacagac	attttactgc	ctttgggttc	ctaaaaagaa	10920
tacatggtta	aaagatgaag	aaaaaagaat	gtagggtatt	ataaatgttc	accagccatt	10980
taagggaactt	gttcgcgtcc	ttattcgttt	cctcccaact	ttgtctagct	cctgcagtg	11040
gatagtcctc	ggacagaatc	acaaagcctc	cttcagcaga	gttcctcccc	cttcagagga	11100
catcctacac	agtctccagg	atacagttat	cgaactactg	cactgagacc	tggaaacccc	11160
ccctctcacg	gttcttcaga	atcatccctc	tcttccacgt	cctattccag	ccccgcccac	11220
cctgtgtcca	cagactcggt	ggccccat	acgggggacac	cagggtattt	tagcagccag	11280
ccacattctg	gaaacagcac	tggcagcaat	cttccaagga	ggagctgccc	ttctagtgtc	11340
gctagcccta	accctgcagg	ctgcccaact	cagattcagt	ttctagtgtc	ttctagtgtc	11400
agcacaggaa	ctctgagttc	cacctccttt	cctcagaact	ctaggtcgtc	attgccatca	11460
gacttacgga	ctatcagtct	gcccagtgct	gggcagtcag	ctgtctacca	ggcctccagg	11520
gtatctgagg	tttccaattc	acagcactac	ccacaccgtg	ggagtggggg	tgtgcaccag	11580
taccgactcc	agccactgca	agggtcagga	gtcaagactc	agacgggact	ttcctagggc	11640
ttctggattt	gggcaaacag	aactgaatga	gcccatagct	gcttccttcc	agctgcctct	11700
ggaacctagg	ccgagcatat	tgctgaggaa	cgggggggtac	aaggtgccag	aggattgggt	11760
ctggtggaca	agaaacaaga	cttgtgggtca	caattggcct	ctggccttgg	agaaagctgt	11820
aaatcttgtc	tgaagcagag	actataaaga	agtttctccc	tgctgtcaag	ggtacattgt	11880
tgacaagcaa	atggtgtttc	ggttagtaac	ggttctaagt	gcaatgagtt	gtgttgaagc	11940
ctccgtctcc	catccttggc	tgtagccctg	agtcacttgt	gcagtggagg	catcttttta	12000
aatttaaaaa	aaaaaaaaaa	aaaagttttc	aaaggaaaaa	aagttaaaa	agccaatctc	12060
aaagcccaaa	gccatctgag	tactgttagg	gttttatgca	cttaagaaaa	aaggtaggta	12120
tgtaaatggt	catcctaaga	caaccattcc	aaaagcaggt	atctggccaa	tgtgtgtcca	12180
ccaagaatac	tgtttatctt	tgtcttaaga	tcaccaagaa	ataggcaagg	atagtaaagc	12240
ttggaacctg	caccaactgg	agggtgccctg	gctctttgaa	gaaaagctca	tggtcagctc	12300
ttgattat	gggagcagat	tatttgagta	gattgtctga	gcctccaact	gttaccatcc	12360
tactccccct	tcccaagcta	tttcacagct	cagtaaccca	tgaagtaagt	agacaagaaa	12420
aggaggaatg	agacatgata	taggccaatt	gcattgctac	ttaccagctt	ttggcaataa	12480
atttcattag	gaaggatacc	gagtgggttg	ggaatgcttc	gaattttatt	ttttctactc	12540
ccaattaatc	aggagtgtgat	gatcccatga	gcaggaccgc	ctccatgatt	ggggagcatg	12600
cacttgtgac	tgcagggtaa	gagtgggaag	ataggtttgt	ggagtggcac	cgacaggact	12660
gtgatttgtg	gtgggcctgc	cccacatttc	tctgggggat	gcttatgtga	gagtgggccc	12720
agtgaagag	ttaccaagcc	accacacccc	ctaacactgt	tctggatgag	agatgagagc	12780
agaccggcct	ctccccatca	gtgcattgtg	cctgttgtac	acccttgagg	gagccctgga	12840
gccagcccag	gtgggtgaca	caatcttttt	aaattccata	tggttgccag	cttatttctt	12900
tcacttgttt	actgtaatat	ctggcggtgt	tttatttatc	taattttgta	ttcagttata	12960
accatggtag	gggtagtga	tatatgacag	gtgtaatccc	tggtgctgca	gtggaccttc	13020
ttttcttttg	gacaagataa	tactgtgagt	ttccctcctt	ccttccctct	aatttgtttt	13080
cctttttttc	ccagcctctt	gcaccccttt	cttttctacc	ctgtctctaca	actatcat	13138

<210> 9086  
 <211> 3169  
 <212> DNA  
 <213> Homo sapiens

<400> 9086  
 gtatccctgc tggagtaccg aaaacggaaa caagaagcta aggaaaattc tgctgggtggg 60  
 ggaggtgact ctgcacagag caaaagcaag tctgcaggag ctgggcaagg cagcagtaac 120  
 tccgtttccg acactgggtgc ccatgggtgtg cagggatcct cagcccgaac tccatcttcc 180  
 cctcacaaaa aattctcccc atctcattcc tctatgtccc atttggaggc ggtaagccca 240  
 tcagattcca gaggcacttc ttcattctac tgcagacctc aagagaatat cagcagtagg 300  
 tggtaagttt atatttgatg ttttatagtt aaattggggg tggggggggg tatatatcta 360  
 agatcattcc cagttttacc taaaatctat gggaacactt gatgggaaca tctgagacag 420  
 ccagccaaca gtaccatctg tctgttcag ctgatttaaat aatgtcagct gcaaccccc 480  
 agctttgcag aattaagaat taccaacatg cctgtggagc agtgctttgg atgacatgta 540  
 gttatggatg cagatgagct ctttcatttg gtgggcaacta acactgcctt tcctatttct 600  
 catttcacat gaaagggtgag tcaagaatcc agccaagtcc cacatgaatt aacaacagat 660  
 gtctctcttc cacacagcta gcatatacag agcaaaaaga cattctgaaa ggatttgtct 720  
 ggtttagggg agaccacaaa tttaaaaatg aataatactg gtggcaataa ctgaggatca 780  
 aatgtgtgaa atagagaatg aagcacagga gttcagggat cttgaactga aaaaaataag 840  
 tctgggaaag aacagtcctg gctcaaatgt ttcattgttca ttaattctatg aaacctttat 900  
 taaaccagta ctgtgtatca ggcacatgat ttcctaaagg agaaatttta acatttttaa 960  
 tgggggttaa gggaagttaa catctttaac ccacttttct cttgatttct ttttctttaa 1020  
 aagtggttgt tgttgatgtt tctcttttgt gctgacata gttggaggca gaggaaatac 1080  
 gttgttttaa attggttctg aagaaagtaa tgtttaagag gatgttttaa gaaaatacac 1140  
 tgtgcaactg ttagggcttc atttgttttg gttaagtcct gtggcttgaa cttgcaccct 1200  
 gttgccttta caggatgggt cccacatcag tagaacgact ccgagaagga gggagcatcc 1260  
 ccaaggctcc ccgaagcagc gtgaggggtg cccaaaaggg agagccctct cccacatggg 1320  
 agagtaacat cacagagaaa gactcagggt agcccattgg cttctgctgc caccacattc 1380  
 agggacacat gagccgagtc ctgtacagtt catgcctagt gctgagttga ggtgagtcag 1440  
 tttctgatgc agttgggctc caccgcatgc taggttccag cccacttatg ctcatattggg 1500  
 ctaccacatt tgtaagatct agcattgctt gctctctgtc tgctctttt tccccaagga 1560  
 atacctttct gtaactctca tctctccaaa gtcctggaaa tctacctga tgaaggatga 1620  
 agagaaagaa gacgggaatc acatcaggca ttagaacat agcccataat taaccactca 1680  
 ttttgccctt ctggcatgct gcaactcacc aatttgtcac aaagagagca gtacgggttg 1740  
 gtgatggcac tgggtgattta aatgaaaaat ggctctttct tacttattct aagaagccaa 1800  
 gttgattttt ttttatatat gttaccttcc agaccctgca gatggagaag gccagagac 1860  
 attagctca gcaactctca aaggagcaac agtttacagc cctccagat acagctacca 1920  
 ggtgagatga gaaattgctg gtctctagcc ataggagtgt gttctgggtc ccaaattgtc 1980  
 ctgggtcatcc tttgccattg agatgctgtc tttgcatata gtttcagcag ccttggaaat 2040  
 aagtcacat ctgcttgtcc tcaggttaata aattatgcca gaagatgaat acggtgatca 2100  
 aagacagaca ttttactgcc tttggtttcc taaaaagaat acatgggttaa aagatgaaga 2160  
 aaaaagaatg tagggattta taaatgttca ccagccattt aagggacttg ttcgcgtcct 2220  
 tattcgtttc ctcccaactt tgtctagctc ctgcagtgtg atagtcctcg gacagaatca 2280  
 caaagcctcc ttcagcagag ttcctcccc ttcagaggac atctacaca gtctccagga 2340  
 tacagttatc gaactactgc actgagacct ggaaccccc cctctcacgg ttcttcagaa 2400  
 tcatccctct cttccacgtc ctattccagc ccgcccacc ctgtgtccac agactcgttg 2460  
 gccccattta cggggacacc agggattttt agcagccagc cacattcttg aaacagcact 2520  
 ggcagcaatc ttccaaggag gagctgccct tctagtgtcg ctagccctac cctgcaggga 2580  
 ccctcagact cgccaacctc agattcagtt tctcagtcca gcacaggaac tctgagttcc 2640  
 acctccttct ctcagaactc taggtcgtca ttgccatcag acttacggac tatcagtctg 2700  
 cccagtgtg ggcagtcagc tgtctaccag gcctccaggg tatctgcggt ttccaattca 2760  
 cagcactacc cacaccgtgg gagtgggggt gtgcaccagt accgactcca gccactgcaa 2820  
 gggtcaggag tcaagactca gacgggactt tcctagggct tctggatttg ggcaaacaga 2880  
 actgaatgag cccatagctg cttccttcca gctgcctctg gaacctaggc cgagcatatt 2940  
 gctgaggaac ggggggtaca aggtgccaga ggttgggtc tggtggacaa gaaacaagac 3000  
 ttgtggtcac caattggcct ctggccttgg agaaagctgt aaatcttgtc tgaagcagag 3060  
 actataaaga agtttctccc tgctgtcaag ggtacattgt tgacaagcaa atggtgtttc 3120  
 ggttagtaac ggttctaagt gcaatgagtt gtgttgaagc ctccgtctc 3169

[illegible]

```
<210> 9088
<211> 426
<212> DNA
<213> Homo sapiens
```

```
<210> 9089
<211> 309
<212> DNA
<213> Homo sapiens
```

```
<210> 9090
<211> 1586
<212> DNA
<213> Homo sapiens
```

6661

ttataaatgt	ggaattatga	aaattagaag	gaggccgggc	gcagtggctc	acacctataa	420
tcccatcact	ttggggaggct	gaggcaggcg	gatcacgagg	tcagtagatc	aagaccatcc	480
tggctaacgt	ggtgaaaccc	cgtctctact	aaaaatacaa	aatattagcc	gggcgtggta	540
gtgggcgcct	gtagtccag	ctactcggga	ggctgaggca	ggagaatggc	gtgaaccggg	600
gaggcggagc	ttgcagttag	ccgagatcgc	gccattgcac	tccagcctgg	gcaacagagc	660
aagactccgt	ctcaaaaaaa	aaaaaaaaaa	aaaaagaaaa	tcagaaggta	agtcactttg	720
caaaacaagc	gggttcagta	ctcagtgtgt	tccttatccc	ttgtagcatt	tgggataact	780
attaacact	gcaaatataa	agtgggtttg	gttttgtttt	gttttgtttt	ttttaattgg	840
tgatcatttt	aataatacag	tccatgcata	atgttagaat	accaggaggg	aaggaaaata	900
ttaaatagta	aaagggtccaa	ggcatggttt	cacttgcaat	ttaaggaaat	tttacctttc	960
tcacataata	tagaacagat	ttcaccaccc	tgaccattc	taatcaccat	tttaattggc	1020
atactctttg	ctgtattcta	gtacagagag	gtggggagcc	ttttttgtag	caaaggctgt	1080
gacacattgt	gaaatatcaa	aaagggtgtca	cgtataaaga	ccagcttagg	ctgggcatgg	1140
tggctcacac	ctgtaatcac	agtgtcttgg	aaggctgagg	caggaggatt	gcttgaggcc	1200
aggggtttga	gaccagcctg	ggtaacatcg	tgagaccaca	tttctgcaaa	aataaaaatac	1260
aaaacttagc	cagggtgtagt	ggcatatacc	tgtagtccca	gctacttggg	aggctgaagc	1320
aggaagatca	cttaagacca	ggagttttaag	actgcagtga	gccattattg	tgccactaca	1380
tgccagcctg	ggcaacagtg	agatcccac	tctaaaaata	atttaaagac	cagcttaggc	1440
caggtagagt	ggcacacacc	tgtaatccca	gctactcggg	aggccaaggc	aaaggaattg	1500
cttgagcctg	ggaggttgca	gggagccaag	actgcgccac	tgcatccac	attccagcct	1560
gggcaacaga	gggagactct	ctctca				1586

<210> 9091  
 <211> 313  
 <212> DNA  
 <213> Homo sapiens

<400> 9091						
ttaaatgctg	agacctcagc	agagtacttt	tctttttgtt	gtttccccc	caaaccatc	60
agtctgggag	agcattggga	gtggaaatca	tgttgccctg	gatgctggct	ttctttgtat	120
attatataaa	acgtatgtaa	atgtctctcc	atltgggctg	gggttagcat	tctccccttg	180
gctattttacc	aaggggagac	gccagcggca	ggcgccctca	ccctgcctgg	cacgtgcaga	240
gacccagcc	actctgtgtg	ggcaggggtg	tgtcaagacc	agacctcttg	ggggggtagg	300
ggcggggggg	tgg					313

<210> 9092  
 <211> 124  
 <212> DNA  
 <213> Homo sapiens

<400> 9092						
tcacttgaac	ccgggagacg	gaggttgcag	tgagctaagt	aaatgccatt	gcactccagc	60
cttagcgaca	gagcaagggt	ctgtctcata	aataaataaa	tgaataaatg	aaagaatttt	120
atat						124

<210> 9093  
 <211> 900  
 <212> DNA  
 <213> Homo sapiens

<400> 9093						
gctgggggtt	gccattttgt	gtctttttta	gtgttcttcc	aaattaaatt	ttcaagatca	60
aatatgggac	tcattgtcct	gtttatggag	ctttttttct	tttggttgac	tattcttttg	120
tttctacag	tcttcaacaa	ctgttagtgc	ttacaatgga	tacatcatgc	atcttaattg	180
ataggatgga	tatgataata	ccttttttgg	tccaagggtc	cgctcattaa	aaaaaatagt	240
ttataaagct	gaaaagtttt	tatttctatt	ttttgtaaaa	tgattttcat	gataggattt	300
tatataaagg	ggaagggttt	tttgtatcat	ttttataaca	tttttgaaat	gaatacttat	360
tctctttcat	catctatttt	agactcacag	ttttatgagt	aatgcagtaa	aggtcatgtg	420



gcacattagt	aaaatatggt	ctgaacacag	aaactattct	ccttatcaca	aattaaattt	480
tatgttaagt	ttgaagagca	ctggcctggg	gtatactttg	ctgtgaaaag	atcatttttg	540
tcacttaaat	tacaatagaa	atatttgtgt	taagaaaatt	aagtaaaaat	taggctgggc	600
acagtggcte	acacctgtaa	ttccaggact	ttgggaggcc	taggcaagt	gatcacctga	660
ggtcaggagt	tcaagaccag	cccaaccaac	acagtgaaac	cctgtctgta	ctaaaaatac	720
aaaaattatc	caggcgtagt	ggcaggagcc	tgtaatccca	gctccttggg	aagctgaggg	780
aggagaatcg	cttgaacccg	ggaggcggag	gttgacgtga	gccgagactg	tgccactgta	840
ccccagcctg	ggtgacaaga	gtgaaactct	gtctcaaaaa	aaaaaaaaaa	aaaaaaaaagg	900

<210> 9094  
 <211> 145  
 <212> DNA  
 <213> Homo sapiens

<400> 9094						
ctgtagtccc	agcttcttgg	gaggctgagg	cagaagaatg	gcgtgaaccc	gggaggcgga	60
ggttgacgtg	agccgagatc	gcgctactgc	actccagcct	gggcaacaga	gcgagggtcc	120
atctcaaaaa	aaaaaaaaaa	aaaaa				145

<210> 9095  
 <211> 1668  
 <212> DNA  
 <213> Homo sapiens

<400> 9095						
atagatagat	agatagttgg	agtttggata	aaaatctcga	gttgagatct	gagagaccat	60
tctgagggag	tgtgtgagta	gaagaccaag	atttgaaccc	tggtaaacat	ggtgcaagag	120
gaagaaaaatg	aaggagacat	tctaggtgga	aggagaacgg	tagtattatt	gggatggtaa	180
agagaagagt	ttaaagatat	ttggaatagt	gaattgtgtt	tggcacgagg	atttgtgaca	240
gccatcctta	gctctgtcag	ctgattatcg	actggggccg	ggagtgtggg	cagtggagac	300
tgtttggaaa	tgtatggtgg	tgttggagat	tgccacagt	attgtaggac	actactgcca	360
cttactaggc	tggtggctagg	gatgttgaac	tttgtccagt	gcacaagacc	atcccatata	420
agtccaaaat	ttaatagcac	ctctgctgag	aaatataatg	ccagggatct	atttcagttc	480
tccacactcc	attgggtcacc	atgttcattc	atgtctgcct	tctaaacatc	tcaatctagc	540
cctttcttcc	cccttctcag	agccactgcc	atacttgagg	cttccattgt	ctcctgattg	600
gactatttat	attgccgtaa	cttccctac	tgattgtcta	ttgccactct	ctttgccacc	660
tcccttctgt	ttaccaccag	aaccgtgaat	ctaaaatatt	tcctcttcat	taaaagtgaa	720
agaacattat	cacgtcattt	cctgtttcat	taaaagtgaa	acatttttta	aaaggaaaaa	780
taatagccct	tcaaggtctg	gcgctaagct	cattttctcg	cagcttcacc	atgggtatcta	840
tcttgtattc	cagctgcaga	cctccacatt	cctcagataa	gtctttcctt	ttttgtactc	900
ctttatatgt	cagtgtgttc	ctccttttgt	ctgggctgtc	atttccctta	cccacataga	960
gaactccttc	ctttcaagaa	tcaactcctg	tgtcacctac	tttgccagta	cgatctgttc	1020
ctctctctct	ctcgtcccaa	aagactaatc	tgcacactct	gttacagcac	ttgtctaatt	1080
gtgctgtagc	gtttattttac	atgtttgttt	ctcctctagc	cagtgagcac	ctctcaagca	1140
gaattatctt	ccttgtttct	ctggcaccct	aaatatttgt	tgaattaata	gtccttctct	1200
tcttttgtaa	ttttgctttc	tgtaatatagaa	gcttaatttt	aagtatagtt	atatcagtaa	1260
tcaaaatgaa	tcacacactg	agaaatcaat	gtggatgccc	tttaagggtt	ctgttatttt	1320
ttttattgcc	attgagttaa	ataagatact	ctgtgataaa	gtatattagc	attaaagtgt	1380
tcaaatctga	tctttattag	taggcctcaa	gtgaatcctt	gctgacattt	aaggtttatg	1440
acatttcctt	cacgttcgtt	cttgactgga	aggcataaat	ggctgacagt	aaagagcaat	1500
taataatttt	ccaagtaaaa	cattttcagg	gacatctgcc	tttattgctc	cccagatgag	1560
agtacagcct	gtttcttatg	tgttccaaag	atgatttccc	tatcagcttt	ttggtcagtt	1620
aaccaaaaaa	aaaaaaaaaa	aaaaaagaaa	agaaaaaaga	aaaaaaaag		1668

<210> 9096  
 <211> 2674  
 <212> DNA  
 <213> Homo sapiens

```

<400> 9096
aaataggcga gtgttgtgta taaaggaagt tgaaatcctg ggccttatgt gtgtagactg      60
gcaatgtcca tttgaagatt ttgtatttcc tcttagtgct agtgaaaatg tgctaaaaat      120
ttcagtttaag gtaagaaaac atgtcacacc ttttagagcta agagttcatt gcttttagac      180
tgttttgcag ttaactacac aaaatatattg aaggattagt gtcgttatta ctactatatg      240
ctgagatgtg aagaaagatg taatcaattt atttgaataa ctgtacttat tttctggcag      300
tcttgattgc atagagtga atacagctct acccacccaa ataattaaga ttctcatatg      360
ctgatatttt ctttttggtg gaattaagca ttagtaaata ggagagggtt tttttttaac      420
ttcatatgga caccatgtt gctgtaatct tagacatttc tggaaaagatt ccctcttttt      480
aggtttttag aagattatta agtgatttga taaaatgtct tttctcccat cattttgtaa      540
ggaagcactt ttattttaat tacatagtaa tttgtaaaag tgatactctg tcttttgctt      600
agttcttaga ctcaagtact taacttttct tgaaatatgt ttgttacatt atatattata      660
aattttattt catgccttta aaaaactata aattattatt ctaaatatgg caattttctt      720
agtgcatttg tttcccttaa acaataatgt tatttctatt agtgaaacta tctgcaaac      780
taaacgtttt ttactgggaa atttagtagc tagaagaaca ttactgtga aatttaatag      840
ctatagatgt gactactgtt accctttaat ttatgtttac ttatcttttc atggaaattt      900
acaaataaag gaaacaccgt gttaccctac cattttgtat ttcagcatta ctacattgta      960
gagtgcaaaa atttaaggaa tgttttgatg tatgaaatat agttttcaaa ctaggaaaga     1020
ctatgtcact gtgcataat tttatagttt cctcagttat cacttctctt tcacatcaat     1080
ggtgagaatt gactcagtg attttacatt atacagaaat tttatgtatc agccaaagaa     1140
atgaaggaag ggttttttga tttgtcagat gtgatgagtt accaagtggg gtttctgtag     1200
gctattatc atagcctgca gaaagccatt attttataca gatagatgta tgctcatcca     1260
attttataag ttctaacaac tcacatatgg aaataccgtc cttgttccaa gatgatttat     1320
ttcatatctt acttgaatat gtgtatttgg ttagcctact tgttataaga tagagttgac     1380
atttaagtat acaattaaaa gttaggaatt ttttcttcc tcagaataat ttcttttctg     1440
tcattgtttc ttttgaaaca ggaacagggg ctgttccaca aaaaagacag tgccaatcaa     1500
ggctgtgttc gaaaagttta cctgaaggac accgccacag cagaggtaaa caatttaaaag     1560
agcatgcctc aatttttttt agctgaaata ctttttttaa agcctcttat aatgaatacc     1620
attatttctc ccaaagctct cccaaatata actatggatg gatataataa cttaatatgc     1680
tgtggactca gtcgggtgca agggctcttat ttttatatga cacatctgga ctgtatcctt     1740
ggctccttagc tgttggtcct gtttggagag cttcagccct tgctttcata cctttccctt     1800
caaccaaag agcctatact tgtcttttaa attcataata agtattttac ttacagaga     1860
gcatgtaatg ccattgagga tgcacagtca acgagacagc agcaaaaatt gatgaagcag     1920
tcacagtgga gacttctcag accccaattg ccactctaat cacagacctc aggggctcca     1980
acagggagaa aaaacaatca ctggctcttg ctataagtca ctctgcttta tcttgctaaa     2040
gacaattttt caagcaatcc tttagtttta gttttctgga atagctagta ttgggttttc     2100
tagtttttct accttttagt ttttactcta attttgaac catgtatatg ctagcagtc     2160
acttctacgc caccacccaa atgggtcaga cccttgaaga aacgtcactt caaactcaga     2220
atgaaatttt cattaatatt aaaattgtga agcaaagggt aataggctta tatttaatta     2280
aagccttact gaagaataag aaatgagctt agaatgacta gtgttctttg aaagggtttt     2340
ttatttttgt ttttttgggg tttttttttt ttttgagacc gactcttgct ctgtcgccca     2400
ggctggaatg cagtgggtgc atcttggctc actgcaatct ctgcctctcg ggttcaagct     2460
gttctactgc ctcagcctcc tgagtagctg ggattacagg tgtgtgccac cacgcctggg     2520
taattttttt ttttttttga ttttttagtag agatgagttt caccatgttg gtcagtctag     2580
tctcgaactc ctgacctgtg gatccgcag cctcagcctc ccaaagtgtg gggattacag     2640
gcatgagcca ccacggcccg ccaaaaggct ttaa

```

```

<210> 9097
<211> 320
<212> DNA
<213> Homo sapiens

```

```

<400> 9097
ttggcagaat tctaagatcc ctgtttcttt gacctctgtc agccagcgag ctgctcttag      60
ctcctagaag ctacccttat tccaacccaa caagggtgct ttgaatctct gacttcttgg      120
tctcttacgc agatttatag tccatgaact taggtcaggc ccacctacat aaactatttt      180
tgctcagagt cacctgtgcc ttataataac ctaatcttgg aagtaaaatc cattatatct      240
aaagtccagg gcactatata gagatatata ccagggttgg ggaatcttgg agacttgtct      300
tagaattctg tctaccatag

```

<210> 9098  
 <211> 1344  
 <212> DNA  
 <213> Homo sapiens

<400> 9098  
 aggctgagggc aggaggattg cttgagcaca ggacttttgag ggctgtagtg agctgtgatt 60  
 gtgcctgtga atagccattg tgctccagcc tgggcaacat agcaagaccc tgataccttg 120  
 ggttttttaa aaacaaaaca agatacatgc tgacatttct ggtttggcag gcagagcttg 180  
 ttctgtctcc caccctccct tttcccatag taaccattta taggacatct cactgttgct 240  
 tactctgtgt tgccctctgt tccctgcctg gtagatctag gaatcttagg atttcttagt 300  
 ttttagctgg gatccgtatc tttttcttaa ttccattgta acttcagctt ttcttattgc 360  
 ttgtaggaag gctgtttcca ttgaatacaa acaaaaataaa agctttttatt cttaatctta 420  
 gagataggat gtttgtattt aaaaataatt gtgctgtcaa aattctgtca agttggcttt 480  
 taccacatta gtttttttta atgtggttta tatgaccctg gtagtacctg tcttctcact 540  
 gttaaattct caactgagtt gtccctattt aaagtgtgag actgtgccag tttgatttta 600  
 aaatattgca agtgcggtat ggcaagataa aactgcaaag aaagaacctt catgtccctt 660  
 tgattataaa tgcttttggc acttggttct acttttttct aatgtttttt gaggaagaa 720  
 cctccaactc tccagacagg tctgggggca aatgactaaa acatgaactg aggccctggg 780  
 ctgtctctgt gaggatatcc cctctattct ctctgaaatg tcccagcatg tgggtgcattt 840  
 cttgttagtg tggactcctc tgtatataac acatcttatt tatcttctgt gcataacatg 900  
 aagtagtgcc ctaatgcaat tccaggatgt aattcagcat ttctataaaa atacagtgtt 960  
 tttctacatt tgcatacaaaa aataaccaga taattatatt tattaagaaa atagcatttt 1020  
 tggctgggtg tggtagctca cgtaatccca gcactttggg aggccgaggc aggcagatca 1080  
 cttgaggtca ggagtgaggc aggcagatca cttgagatca ggagttcgag accagcctgg 1140  
 ccaacatggt gaaaccccat ctctactaaa aatgcaaaat tagcctggcg tagtggtgca 1200  
 tgctgtaat cctagctact caggagactg aggcaggaga atcacttgaa cttgggaagg 1260  
 ggagattgca gtgagctgag attgtgccac tgcactccag ctaggcaac agagtgaagc 1320  
 tctgtttcaa aaaaaaaaaa aaag 1344

<210> 9099  
 <211> 186  
 <212> DNA  
 <213> Homo sapiens

<400> 9099  
 tgttggattt tttttaagaa cagtgcattt ttgaatgctt ttgaaaaatt gtagtaaaat 60  
 acataaaaca acatttacct tgtaagcatt ttaattggta caattcagtg acattaagta 120  
 cagtcccagt ttagtgcaac cactgttact gtctagtttc agaacgtttt tgccccagat 180  
 ggatac 186

<210> 9100  
 <211> 17000  
 <212> DNA  
 <213> Homo sapiens

<400> 9100  
 ggatgaaagg attcagagga aagtagagaa actagagcaa caatgtcaga aagaagccaa 60  
 ggaatttgcc aagaaggtag aagagctgca gaaaagcaat caggtaaacy ttttgtaag 120  
 aaatgggtat tttatatagg ctataatatac tttattttct tccagtttta agctcttaaa 180  
 aaagtctagt cagatgatag taactgtcaa gatttctttc tactgcttta gtcccatggg 240  
 gtaaaatggt aatgaattgt tatcaagtag tcttggcatt ggctttccac agagtgttgg 300  
 tttagatca cagtactctt cttaggatag agtggtatcc agtttagtgt ggtccttgat 360  
 tctcctctaa caatgcgaac tttgaagaat gacacttcag tagaccctta gttttaggaa 420  
 ctctttatta gcttggatat ttaggtagtc atttgctttc tctttaatcg taaaacaaag 480  
 taatatgaaa gcagctattg tctgaattag gttttccctt gagaaaacct ggtctgggaa 540  
 gtttcacaaa agtcatgagg gtatgctcca atgagaattc tagtgtaact gtaggaaaaa 600

ctgccttgat	ctgttttggga	gtaaaaccaa	atcactagat	tggctcctggg	gctcagcagg	660
ccaaacttct	tagtcactct	taggtcctag	acttaatctg	gaacctctga	atccccattca	720
caggctgggc	cttatctgga	atttgattcc	cccccttttt	ttttaagaca	gagttttact	780
ctgtcgccca	ggctggagtg	cagtgggtgtg	ttcttggtctc	actgcaacct	ccacctccca	840
agttcaagtg	attctcctgt	ctcagcctcc	cgagtaggta	ggattacatg	cacatgctac	900
cacaccagc	taattttttt	gtattttttag	tagagatttt	gctatgttgg	ccagggtttgt	960
cttgaactcc	tgacctcagg	tgatccgcct	gcctcggcct	cccaaagtgc	taggattaca	1020
ggtgtgagct	actgctcctg	gccttgattt	cccttagtgt	agtttggaat	attgttttagc	1080
tttgctgcct	ctcagggatc	attagttctt	tagtgttagg	gattagcaaa	ctgattgctg	1140
ctaaagtttc	aatttttttag	attccttttc	ttaaacatat	gtggctatga	gaaataagga	1200
agtcagtaat	ttaagataag	gaatgcattt	ttaagagtta	aggtgacagt	ttctaaatac	1260
ttttaatgca	gttttccctt	ggtaataata	ataatagtta	agctaataaa	ctctgggaca	1320
agtctgcctg	agtttgagtt	tcagctctgc	cgcttatgaa	ctgtgtaatc	tcaagcaatt	1380
taaccttttc	atggctcagg	ttttttttta	atctgtaaaag	tgtgttgttg	agagaattat	1440
ataagtaaat	acatgtaata	tgcttagaac	agtgtctagt	ctagcacaga	gaaagtcctt	1500
aataaatggt	tacagctctt	ccccacctca	gtttaagggt	ggaaaaacgt	cccacactag	1560
attatcagca	attccactgt	tggcaattac	aaggcattca	ttgcattcaa	tttccatatg	1620
ccacaggaca	atcagtgtac	cctgggagaa	gggaaagaat	attctagaaa	gtaataatac	1680
tttgcccttag	tagaataaatt	gctacttttc	tgttttcaaa	actgggaaag	aactatttta	1740
ctttatatat	aaacatcact	ttttaaatat	ttaaaataaa	ttggtatatt	ttaccactga	1800
cttttttttt	ttttttttga	ggcagagttt	tactctgtta	cctaggctgg	actgcagctg	1860
tgaatctca	gctcactgca	acctctgcct	cctgagttca	agcgattctc	ctgcctcagc	1920
ctcccagcta	gctgggggtg	cagggccac	cagcaaacc	agctaataat	tgtattttta	1980
gtagagattg	ggttttacca	tgttgctccag	gctggctctg	aactcctgac	ctcaagtgat	2040
ctgcctccct	cggcctccta	ctgacatatt	ttttattctt	ttcagtttag	tagcaagaga	2100
gctctttaga	tgtctgggtc	ttttcatact	tagctaattg	ttttcagaat	catcatttgg	2160
ggctaaatgg	tgttgagtgt	ttttttaaaa	caggatgagg	agtaaacagc	tttttttgtt	2220
tgcttttttg	ttgattaatg	tactcacgat	aaatattatt	ttaatagtta	atgggtataaa	2280
agtttgagct	ttgggttaaca	gattttcaga	tcatgtcaca	ctaataagag	tgaattttgt	2340
agatcatctc	gtatataaact	tctgttatct	ttagttagta	gcaataagag	tagtagttta	2400
gattataaac	tgagcacact	gattgtattt	tatgcttatg	cacatttttc	ctaggttgcc	2460
ttccaacatt	tccaagaact	agatgagcac	attagctatg	tagcaactaa	agtctgtcac	2520
cttgagagacc	agttagaggg	ggtaaacaca	cccagacaac	gggcagtgga	ggctcagaaa	2580
ttgatgaaat	actttaatga	gtttctagat	ggagaattga	aatctgatgt	ttttacaaat	2640
tctgaaaagg	taagtgtgtg	cagaggataa	aaccaaatac	cagcattaat	aacagtgccc	2700
taattatgag	ctgcaataat	tgctttccag	agttagactt	caaatcactg	agtagctgac	2760
ttattaaaag	tttttattgt	tctgaaatgt	aaactaatac	agtttcttgt	agattgtctga	2820
tgaagtgtta	atattgagat	gtttaattgg	gtttcctggc	atttttttaa	tgaatttttt	2880
tgtggcttaa	aaatgctgtg	gtagctgtgt	tcataaatat	ctctttacca	tagatttctt	2940
tcaatattaa	cagaattttc	atagttttta	aatagtgaac	gtccattggg	tgggtgggtgg	3000
gtggtctgac	ctaaatcatt	gataagctga	gatgcttttc	tgtaaagcaa	taaggaattc	3060
agaacttctg	gtttttatta	cttgaataaa	gatctcttat	aaagaattaa	agcagtttgg	3120
accaaggaga	gctgaaaaaa	attctgaatt	aattgtttat	gttaatcctt	ttcatagcac	3180
tagtcactta	ctcctgggtc	aagggtacat	ggtattggct	gctctacaat	cttgaaagaa	3240
ggtaatttag	ctcactttct	tccccctcagg	ggaaaaaaaa	tcaaatgtg	caagaaaatg	3300
gacattctta	tggatcttgt	atgtacatag	caacattgtc	cactcatatt	gaatacagtc	3360
ttcctgaatt	attccagatt	tactccatag	aataatttcag	atagtgggaat	gtaaaagcta	3420
agtattattg	acactcactt	tgaattaaag	aacacttttt	tttaatagaa	ctctataggg	3480
ttatagaatt	tataattttt	agagttcttt	ggaaaatagt	tatgtgtgta	cagataattc	3540
ctctaaagaa	aagggtgttt	tgaaaaattt	agtttttcaa	gtacaggtgg	ttttttgggt	3600
ataagaatga	gttcttttagt	gttaaattct	gagatttttag	tgtacctgtc	acccaaacat	3660
tgtacactgt	atccaatatg	tagtcttgta	ccccttattc	ccctctcaac	ttccgccttt	3720
agagccccc	aagtcocatta	tatcactgtg	tatgtttttg	tgtcctcata	gcttagctcc	3780
cgcttatata	tgagagcata	tgggtatttg	ttttccattc	ctgagtaact	tcatttagag	3840
taatggcctc	ccgctctatc	caagttgtct	caaaaagacat	tattttgttc	ctttttgtgg	3900
ctgagtagtt	ttccatgggtg	taaacgtacc	atatttatct	ttatctgctc	gttgggtgat	3960
gggcacttag	gttggtttcca	tatctttgca	gttgaattaa	tttttggcct	agttctacca	4020
gttagccatc	cttaagaact	catatagtat	tagattgccaa	attattagat	aaactcctag	4080
ctgtctcaat	ttctggactc	tgtaccaatc	accttcccaa	tggaaagaaa	aggaaaaagc	4140
acccacagag	ctagaccagt	gtgtgattgt	gggaggaatt	agaatgggat	aagatatcaa	4200
cacatcatat	tcttttccct	ctttccccct	agtcattttt	gttttttttaa	ttgttctttt	4260

ttggcatctt	ggctgggtgt	ggtggctcag	gcctgcaatc	ccagcacttt	aggaggccaa	4320
ggcaggatga	ttgcttgggc	ttaggagttt	gaaaccagcc	cgggcaacat	ggtgaaaccg	4380
catctctacc	aaaaaaaaaa	aattagctga	ccgttgtggc	acatgtccat	agatcctagc	4440
actcaggagg	ctgaggcagg	aggattgctt	gagccccaga	ggttgaggct	gcagtggagc	4500
gtgactgccca	cactgcactc	cagcctgggt	gacagacaga	ccctgtctca	agaaaaaaaa	4560
gaatctttct	atattctgaa	aacaaaaaca	aaaacaaaaa	aaaccttatt	atgtgtttac	4620
ctctgtcctt	acacatatgt	tggttttgtt	tttttttctt	tttttttctt	tttttttttt	4680
tcagacggag	tctcgctctg	tccccaggc	tggagtgcag	tggcgcaatc	tcggctcact	4740
gcaacctccg	cctcctgggt	tcattgccatt	ctcctgcctc	agcctcctga	gtagctggga	4800
ccacaggcgc	ctgccaccat	acccggctaa	ttttttgtat	tttttagtaga	gatgggggtt	4860
caccatgtta	gccaggatgg	tctccatcta	ctgaccttgt	gatccgcca	cctcggcctc	4920
ccaaagtgtc	gggattacag	gcatgagcca	ccgcacctgg	tctgtttttc	tttttttacct	4980
agaatggcag	cttattgttc	ctcatgtgga	taatacttga	tgactgtgat	tatcctttaac	5040
actattagca	agggtagtct	ctcacctcac	ccaaatgtca	ataactatta	gaatatagtt	5100
ttgccagctt	ttgttactta	ttgttgtagt	atgttttaac	tgactaaatg	ttgtatatgt	5160
taaccttaag	agatatctgt	gctttacaca	atttttataa	aataatttgc	tatggaaatt	5220
caatataaac	aagtgccatt	taccctcata	ctagtttagta	cattaaacaa	agtttgcatt	5280
agcacaatga	tgatgatgac	ttcttaaaaag	aacaaaaaact	ccttatggaa	gcatagagca	5340
ggctgtgtgc	caagtatat	atttctgaag	tgggtattaa	gggggtattg	gtgaggagaa	5400
aatgatggat	tttgctaata	caactaaatg	gcatgggtgag	gacagatact	gcagtgat	5460
ttgtgcccc	atacaacagg	acagagttag	tgtttggtag	ttgaaaatga	tagtgacctg	5520
ctgactagga	gaaaagggag	gactgaagca	gaaatgctat	attcactata	atttggagca	5580
agaagggaga	agaggctctg	ctgttgttat	tcacagttgc	ttgtcagagt	tcacatgcct	5640
acttagaaaa	atctatatgt	ggcagggcgt	ggtgtctcaa	gcctgtaatc	ccagcacttt	5700
ggaaagccaa	gatgggcaga	tcacttgagg	ccagggtgtc	aagaccagcc	tggttaacat	5760
ggcgaaaccc	cgtctctact	aaaaaaatac	caaaattagc	gggtgtgggt	gtgcatgcct	5820
ataatcccag	ctacttggga	ggctgaggca	tgagcattgc	ttgaaccag	gaggtggaga	5880
ttgtagttag	ccaagatcat	gccaccgcac	tccagtctga	gtgaccgagc	aagactctgt	5940
ctcaaaaaaa	agagaaaaata	aaaaaaatct	atattgatgt	tcttagctct	tccttcgtat	6000
ttatgagtct	cactgttttt	tcaaatgtaa	agaaaaatga	atcttcataa	aatgaattat	6060
taaaattgtg	ccaaagttaa	actgagaact	agtttgagat	ttaaagaata	aatgaacatt	6120
gtaaactccc	ctgaactgtt	gtgtaaataa	gcacagatat	ctgcattaaa	gaattttaga	6180
actcttgctt	aagtctctta	gttccacaac	ttgaataaat	ttacacattt	ctggctgggc	6240
tcgggtggctc	acgcctgtaa	tcccagcact	ttgggaggcc	gaggtgggag	gatcacctaa	6300
ggtcaggagt	tcaagaccag	cctgaccaat	ataaagaaac	cccgtgtcta	ctaaaaatac	6360
aaaaattagc	cgggcatggt	ggcatgcgcc	tgtaatccca	gctactcggg	aggctgagac	6420
aggagaatca	cttgaaccca	ggaggcggag	gttgcagtga	gcagatatcg	cgccattgca	6480
ctccagcctt	aagagatatc	tgtgctttac	acacaagaga	tatctaggcc	acaagatatc	6540
tgtggcctta	agagatatct	gggccacaag	agtgaactc	tgtctcaaaa	aaaaaaaaaa	6600
agacagaaag	aaaagaaata	tacacatttc	tatatattat	ttcatcatgg	ggctttacat	6660
taaactttat	attttctttt	agaacaagtg	ttataaattc	atatgatcag	taatgacagg	6720
catttaactt	acagtaggat	atatgtggca	gtatgtctta	aattattttt	ataaatctcg	6780
tttatccttt	tcgggttcat	aaacttagaa	ttctgagatt	tacacctggc	tttcagcaag	6840
caatgattta	aatttctttg	gaataaactt	gaactacagg	tttcattggg	aagggattgt	6900
ggcatcaaaa	aaatcacaga	atttcagtag	cagaaagcta	aatgtttatg	ttattattga	6960
ctcattattg	gtaacacccc	aaatgtattc	ttgttgetca	ttaaagttta	tttgttggg	7020
atttttaaag	gaaatttttt	tagggaaggg	actgtgggca	catgcaggga	gatattacta	7080
atttcagata	tataattatt	ttttgatatg	cctaaaagtt	ttttaaatta	ttgcttttat	7140
ttattttttc	atagataaaag	gaagcagcag	acatcattca	gaagttgcac	ctaattgccc	7200
aagagttacc	ttttgatagg	caagttcatt	tctcaagagc	taatttgaat	atgtggtata	7260
atttataaaa	taaaatagta	tcttttcttg	tatgattttc	tttgccattt	aattaaacgg	7320
aaatttattg	agcacttgct	ggttcattta	cttgctagtt	tattcacttt	gtacaagatg	7380
cagtgtaaaa	tagtttattg	aaaaaataca	gtctcttctt	aatatctaaa	tttaatgata	7440
ggccttgaaa	taatttcagt	ccctgtctcc	tgaaaaaaaa	tttgatgaag	gagaattttg	7500
aaatcgactg	aggttaaatt	tggattttca	tactttggac	tttgagaacc	aggtagggga	7560
tagagagaa	acttttccta	tttcctgatg	aaggttctta	ggcttttgga	ggccttgga	7620
acctttgaaa	agctgatgaa	cgctatcacc	tttcttcagg	aaattaagat	acacacagat	7680
tattgtatac	aatttcatgg	agtttttagac	tctagcctat	ccacagaact	cttcctaggg	7740
acttcagggt	aagaacccct	tttttttaaa	atgcaaggcc	ccagagccat	tactaagtta	7800
gatttcatcc	taaaataaac	tatccactga	gaaggaaatt	ttttcatgat	ttcttctagt	7860
gtatggaatg	tcagactctt	taataaactg	ttggtaaaa	agtacttcct	ccatgtgaat	7920

atttgaaga	aatatgattt	aatatattat	aatgataca	tagtaataga	catataatat	7980
gttatttttg	ttcatacttg	aagatcttca	ggaacaggta	aaatatggat	atattgctat	8040
acttagctta	accattatct	cccaaacatg	taatgaattc	cccctaaaaa	tgtatctatt	8100
ttattctcaa	ctctgattat	catgaagaat	tagcaataat	gatcatctat	cattcttaat	8160
aataatctgg	tagttgccc	gcattatgat	ttaacttact	gtaatacttt	ttaaagtcac	8220
ccacaaaaac	ttctctttta	ctttatgtca	tttcagaatt	ggactattta	cttaaagggg	8280
taaaatgtct	agctcaaaat	aggctcataa	taattattga	ctgcatcccc	ctaccctgtc	8340
ttcatcttat	ttttccactc	cagacacacac	atgcataat	acatatatat	atgaatatga	8400
atatgtgtgt	gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtat	atatatatat	atatatatat	8460
atatgtctaa	ttaggatata	tattcaactc	caaggcttgg	tgaagaggcc	aaaacaaaac	8520
cataagagaa	gtatgtacct	gagtgggtgt	gaatatgagt	gtgtgtgtgt	gtgtgtgtgt	8580
gtgtgtgtgt	atatatatgt	ggagtnga	atatactcta	aatagattca	attttttcac	8640
acagattaat	atggccttat	atgtgatctg	atctactgtg	actttgatac	atcatttttg	8700
tataacactc	tagatttttg	tttccctctt	catttgctct	tggcatctct	tttgccagcc	8760
actctcctct	ctcttcaaac	aattgcacac	aatcttaaaa	tatttctttt	tcatgctatg	8820
catttctact	agatatttga	gatttgaaaa	aattctactg	cggtggtatt	tagtttttta	8880
atttgaatga	attgaatggc	tactctgcta	ggcacattgc	tgggtcttat	catttgtcat	8940
taatatatca	tcatataatc	tattatttga	tcactttttt	cttttgaata	ataatgatgg	9000
aacttttatt	ttaaaaaaac	caaccatggg	aatggggagg	gagacaaata	atcaagtgtat	9060
tttaaaatgc	cagcaaataa	aagtaagaac	agtaagtcag	ttttgggact	ggctgggttg	9120
ttagtgtctt	atgcagagca	gttgattctt	taaaaagaga	attgattttc	aatgtgaatt	9180
tcctaaatga	gaaccagcta	cctacctaca	ttaagtttta	tcacctggca	tgcttcctat	9240
cagaattctc	tcctctgatt	ttgtcttttt	tctttttaca	ataacctttt	aactttataa	9300
tggtttttga	tttacagaaa	agttgcaaag	atagtcacaga	tggttctctg	atctcttgca	9360
cccagtttcc	catttgggta	gcactttaca	ttgccatagg	atgtttatca	caactaacaa	9420
acctcatggg	tggtttttgt	ctttcagatt	tgcagaagtt	aaatccaaaa	ttgcaagtaa	9480
gtgatgtatt	tgttttacct	tttttttaat	aagtaaaaaa	actacttgtg	taaaaataaa	9540
acagcaaaaag	gagaaaaagc	aggaacaatg	tcactcttct	accctagtag	gctactgcat	9600
agaagatccc	tgagtttgat	ttctcttccc	tcaaaaacaac	cattaccagt	ttttttggat	9660
attcttgcag	aataatctat	ggatatacaa	gcataagaca	taaattctat	atatgtgtgt	9720
gtgtacatat	gtatgtgtat	gtatagatat	ttatatgtac	ttctatcctc	atttattttt	9780
aaataattgc	taccatacta	tataaatagc	tttatacctt	gcatttttta	tttaatatgt	9840
catttttgaa	atcctgtgct	ttccatacat	ctatctctga	ataagattct	ctcttttttt	9900
ttttaagatt	atataagcat	ttcagtatct	atttaactcc	ttacatgatt	agtttggttc	9960
ttgccagctc	tggatttttag	tttaggttag	atcattctag	gtttttgaaa	agaccactaa	10020
atttgcagg	tctgtggttag	ctgggggtcac	tatttagagt	aggccactgc	atagaagatt	10080
caaagattca	tctatatctc	caaaaagtct	tagaataagg	atgacacagc	tagttagact	10140
tcctgggaat	atttttgatc	acaatagatt	ggtctgaagt	tcaggtgttc	gttaagaacc	10200
atactagcct	caagaatata	gtgaatagg	ccggacatgg	tggttcgcac	ctgtaatccc	10260
agcacttttg	gaggccgagg	cgggtggatc	acctgaggtc	aggagttcga	gaccagcttg	10320
gccaacatag	tgaacccccg	tctctattaa	aaatacaaaa	attagctggg	tgtggtaatg	10380
ggtgtctata	atccttagcta	ctcaggaggc	tgaggcagga	gaatcgcttg	aaccagcag	10440
gtggagggtg	cagtgcgcgc	agatcgcgcc	actgcacttt	gactgggtga	cacagagaaa	10500
ctctgtctcg	aaaaaaaaaa	aaaaaagaaa	atgaaaaaaa	tataaatact	gcatattatc	10560
aggatgagat	ttggtgttca	gtcatcagtc	cactattgtt	ctaggtagag	gcatcagaac	10620
tctagtaaag	agttctgtag	tcctcttcac	cctttccatg	tgtaggattt	ttcatgtgtg	10680
ttgctatcag	aaatagcatc	tggaggattt	tttccagtc	gctactggtt	taagtaacaa	10740
tggcatatga	cagtcagacc	ctggaaagct	cagtaatttt	gccagtttgg	aagttttttg	10800
tcttgaaaat	atagattttat	atgccacagt	atattacagg	ggctgggttc	acggcctata	10860
atctcatattg	tttttnga	tccttcaaaa	gaaagctata	ttcatagtca	ttatatattg	10920
aaataatgta	gatactctta	aataacgttg	atgccttgta	tgcttcagtg	tagctgaagt	10980
actttatttt	taggtaataa	ccatgattta	gaatgcagc	tgattcagga	gtttaccagt	11040
gctcaaagaa	gagggtgaaat	ctccagaatg	agagaagtag	cagcagtttt	acttcatttt	11100
aaggtaaaata	gtaggaatta	aaaatgaata	gtgttcaagg	ctatggaaat	tacgtaagtt	11160
ctatatatta	tagtctctga	tttcccccat	tcattatgta	actatcacag	tgataatttt	11220
cactgttttg	agtaatttgt	acatttgata	ctctgtaaat	ggtattgaat	gttatatatt	11280
taatattttaa	ggtttttatat	tcaataatat	taatattgaa	ttaaaattaa	ttgatcaatt	11340
aaatatttgat	gaatttttat	actttgataa	agaaaatcat	attgtctgcc	tttttgcttc	11400
cacatatttat	aatatagggtg	aaaagaaaga	aaacgtgacc	g		

aatccctgtg	taggagtata	tttctgcaaa	gaaagtgcct	aaagaaatgg	ttcttccctc	11640
aatctgtttc	tttgatttgt	atcagattag	ggaaggggaa	gctatttgtt	ggacttttca	11700
ttttggtaaa	atctgaatga	gtatttgagaa	tggctcttga	gacagttagt	cactttatat	11760
tgctttccct	actgggtttt	atgtatgatt	tattaatagg	caaaaatctc	attatgggtga	11820
gttaaatgac	aaatcagttt	gttttaaaaa	cattttatta	aaatacattt	agtttaaaaa	11880
gtaaatttcc	aaactaccag	ctgaatacaa	ctgtccagat	tcttgcaagg	aaaaccaaat	11940
gctagagaag	gccaggcgca	atggctcact	cctgtaatcc	tagtattttg	ggaggccgag	12000
gcgggtggat	cagtttagct	caggagtctg	agatcagctt	aggcaacatg	gtgagaccct	12060
gtctctacag	aaaatacaaa	aattagccgg	aggggaggca	tgtgcctgta	gtcccagcta	12120
ctcgggaggg	tacagcagga	ggatcgcatg	agcctgggag	gcagagggtt	tagtttagcca	12180
agatgacacc	attgcattcc	agcctgggtg	acaggagtga	aatcctgtct	caaaaaaaaa	12240
aaaagaaata	tatatataca	catatatata	tatatacaca	cacacacaca	cacacacaca	12300
cacgtatata	tacacacttt	aatatatata	aatatattta	tatgtatata	aaacacatac	12360
atatatatat	gtaaaacctt	ttcccaagac	cttgactctc	tgtgtatgtg	tgtgtttgtg	12420
tgtatgtgtg	tgggtgggtg	tgagtgggtg	tgttttggag	ttgaaggaga	tggctagatg	12480
atcataggac	aaaaattact	ctaaagaact	cagttacata	cttcactctt	cttgttttag	12540
tctaaagtcc	aacaaggata	tgtaccaact	gataaatttt	atcatagaaa	gtgactaggg	12600
agacgatacc	tttatcaagt	tactgggttt	ctgcagttaa	ttttatttaa	gtccaacagg	12660
tggttgctatt	ggccattttac	tggtaaatag	tcatagcttt	atgacatata	acacttcttt	12720
ttttgaaata	ataattatta	taattgaatc	agaataataa	caatgtgttt	cttccttgta	12780
gggttattcc	cattgtgttg	atgtttatat	aaagcagtcg	caggaggtaa	cataacagta	12840
cactttgttg	gatattattt	tatgctaatt	gttggttttaa	aatcatgtag	aaatttatat	12900
ttcactgtat	aaaatgtctc	tgctgtttag	gggtgcttatt	tgagaaatga	tatatattgaa	12960
gacgctggaa	tactctgtca	aagagtgaac	aaacaagttg	gagatatctt	cagtaatcca	13020
gaaacagtc	tggctaaact	tattcaaaat	gtatttgaaa	tcaaactaca	ggtaatttta	13080
aatagtaaca	aattaaatag	ttcttaaagc	aatatgtaat	ttttcccta	tattttaaaa	13140
gtatttttaa	aatttagttt	acttatgtaa	tgaccttaga	aatagtaatc	tagttaagga	13200
gaaaggaatc	ctcatgcttt	ttaaaaaatg	ttttgtattc	accaagaaga	aagtgtcta	13260
caataagtat	catcagagaa	catgcttgaa	atttgtgtag	tattcgtagt	agtagtataa	13320
tatatgtgtg	taagatagcc	ttgaagattt	ttcttttttt	ttggtccctg	ccttcaccaa	13380
tagatgtcat	ttgtgaaact	gaacaagaat	tacaagagca	gtctgtagaa	tttttaataa	13440
tatggtagta	acctgaaaag	ggaaaacaca	gaaatttaat	ttacccccat	atcactgtac	13500
tttcagataa	catttccctaa	gctgtttaca	actggattaa	acaacattca	ataaatgttt	13560
gctttttttt	ttttttaaca	caattcagga	attttgatag	tattgtcatt	ctctagaagt	13620
ggggatgtaa	tgtacagcat	ttcacacatt	tactgtctaa	gaaaccctgt	tttggagtaa	13680
tgcctataga	catctgaagg	aacactagtg	ttacctggaa	ctcagtttgg	gagatgctgc	13740
cttaaggaat	tgactctatt	gtttgtactc	tcagttttgt	ttttttgatg	cacctcacag	13800
agcagaatag	gccaatttta	cagaaaagggt	attattccta	agactgataa	agatcctcta	13860
caggtaaaata	tgagaagtgg	taaaatgtaa	aaacctgttt	taaaatattt	tatgattggg	13920
ttgttttctg	taattgcctt	tttgattgga	ttgtaagtca	gaaaggttca	aaactgtgga	13980
gtgaattttta	aaagaaaaat	atcttgagaa	gttgtagaat	ttaatattta	cctaattaac	14040
agaatgttaa	ccttttttct	ttagagtttt	gtgaaagagc	agttagaaga	atgtaggaag	14100
tccgatgcag	agcaatatct	caaaaatctc	tatgatctgt	atacaaggta	aatttttaat	14160
gattagaaaa	taatagataa	cagatttttt	aaattttttt	gataaaaaaca	aggaagtatt	14220
cagggtatttt	tgaataagtt	tgccaccagt	ttacctttta	gcattaaatg	cttagctgta	14280
tagactagtt	atattgtaca	agactgtatt	gtacaacatt	cttaatacat	taacgtcagg	14340
aattggatgt	tatgctttat	tttttctcta	agcattagtg	taattacatt	tatctgcagt	14400
caaaacttta	gaaactgcaa	aaggaagtga	tgtaacttta	acaaatgaca	atttcagctc	14460
taaatcttct	gtaggaattt	gtcttgtgct	tttgtaaagt	tcagtgttac	tcttagagat	14520
tgtctcagaa	gcttcatatg	gagtcttgtg	gggttttttt	tttccctgac	ttttcccaac	14580
cctattactc	ttcttcagtg	tcttcatttt	gggagaaggt	ttttccaaag	ttaccgtaat	14640
gaggaagtcc	atctcaacaa	caacactggt	atgaccctat	cttcagcaat	gggaaataga	14700
aaattagagg	gaaagtccac	aaggacaaaa	caaaagaggg	tgaacagaca	gtagatcttt	14760
cagtactctg	ttttgggtcc	catgtgatga	atggcattag	acatacttga	ggccaatctg	14820
ccactgtcgc	catttctgga	ctagttaatt	gcctcacaag	ttcttttctc	aggaatttat	14880
aacagttctc	aaaaccgtaa	agttgttcgt	aatatttcac	tgtatttata	tgtaaccctg	14940
tagagttgat	ctctgcacat	taagtactct	cccagagttt	aagaaatggg	ggcttaacat	15000
aagtcatgaa	agtcacgttg	taaaaatttg	tattccttaa	tattgttact	atacctaaaa	15060
tgtatattaa	tctttttctc	cccctttttc	atgaaaagaa	ccaccaatct	ttccagcaag	15120
ctgatggagt	ttaatttagg	tactgataaa	cagactttct	tgtctaagct	tatcaaatec	15180
attttcattt	cctatttgga	gaactatatt	gaggtggaga	ctggatattt	gaaaagcaga	15240



agtgctatga	tcctacagcg	ctattatgat	tcgaaaaacc	atcaaaagag	atccattggc	15300
acaggagggg	gagtattttt	gttaaatact	tctgttaaaa	ctgaagacat	taataacttc	15360
attatatttg	ggcaaattat	caaagtgtga	ctatcattag	aattttctgt	gaagagttct	15420
tttaatccag	attgtttata	tattgatcaa	atcttgttct	taaaccacat	gttgaaatga	15480
cctaacataa	catgattgaa	atgtaagccg	ggcgtggtaa	ctcactcctg	taatcgcagc	15540
actttgggag	gccgagatgg	gctgatcacc	tgagggtctg	agttcgagac	cagcctggcc	15600
aacgtggtga	aaccccatct	ctactaaaaa	cacaaaaatt	agctgggcgt	ggtggcagac	15660
acctgtaatc	ccagccatta	aggaggctga	agcaggagaa	tcacttgaac	ctgggagacg	15720
gaggttgcag	tgagccaaga	ttacgccact	gcactccagc	ctgggcgaca	cagcaagact	15780
ccgtgtcaaa	aaaaaaaaaa	aaagtaaagt	agatatttgt	caattaaaaa	ataatgtttt	15840
aaaactatcg	agcagaacac	tagtaatata	aaaagttcca	tagtttcttt	catttttttt	15900
tttctcgata	gaataagttc	cagggttattg	accaggaaac	gcactctttt	tttgttactg	15960
ttgcagggtg	gaaaaaaata	gaaaatagtt	tgtagtttaa	gtaccttgaa	ttgatgagtt	16020
ttgttcagag	acttttagcat	aaaaaactat	taaattaata	ccttaatgcc	tacaattatt	16080
tacagactag	aagaaaaata	cttgctccaa	gaatagttgg	catcttagct	accaggcttt	16140
aactgcctgg	aaccagatt	ctaaaaagag	acagaatgac	attggtggac	tcaaagtcca	16200
gaatccccac	atgtatatat	cgaaccaggt	tttcttattt	cccattttgt	tgtgtattaa	16260
ataatgatta	gagagagtta	aaattagtag	taagaggtaa	tacctgaaag	gtagtagcaa	16320
ggaaggggag	aggaaaacta	atgaataata	ggaatttgtg	tgtgtgtttg	tgtgtgtgtg	16380
tgtgtgtgtt	tacggtagtc	tcaagttaca	tatcctaaga	gcaaaaaaag	tttaaccttc	16440
caaagatacc	ccatataagt	gtttcagggtg	accctcagta	attaagaata	gctaaattat	16500
gtttaatata	tcttctttta	tatcatgaat	aatcttgcac	aatcttaaaa	tgactatatt	16560
ttaaaattgt	taaactttta	aaggtttctt	tttaaacagg	actatttcgt	tatttagaat	16620
gccaacctat	ttggaatagc	tcactttcta	aggaaaccca	gcaagtttta	ctattgagtc	16680
agaattgtaa	ggctgaattg	taaagcaact	tcagaaatta	gaagtccaaa	tctactcatt	16740
tatcagatga	aaatcttccg	tttagatatc	agggctaact	ttatttcaca	aaactagtta	16800
ttggaattag	aaattagggtc	tcttggtctat	tggtccattt	ttgttggtga	tatatactaa	16860
gttttggagt	actcaaagtt	gaaatctaag	taaaatgttt	tctttttttc	atttgtcttt	16920
atgatgtact	agtattcaag	atttgaagga	aagaattaga	cagcgtacca	acttaccact	16980
tgggcccaagt	atcgatactc					17000

<210> 9101  
 <211> 147  
 <212> DNA  
 <213> Homo sapiens

<400> 9101						
ataactttaag	ttctgggata	cggtgtgcaga	gcattgcaggt	ttgttacata	ggtatacacg	60
tgccatgggtg	gtttgctgca	cccatcaact	cctcatctac	attaggtatt	tctcctaattg	120
ctattcctcc	cttagtcccc	caccccc				147

<210> 9102  
 <211> 5116  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (3802)  
 <223> n equals a,t,g, or c

<400> 9102						
gctgaagaat	ttagggagtt	gattctgatg	taagaagaca	atggataaag	tatttttccag	60
aagtcagtag	aaattggcag	caaactctacc	aaaaacaaat	aataagagaa	aaactatcag	120
ttagtgattt	atcttcacat	gtagcatgta	ctggttttaa	tcagtgaata	actacatagt	180
tattgaattc	aaaaactttt	atthagacct	ggctcatctat	tctcttaatt	aaatgaaatg	240
aagtttatgg	agattcactt	ataagtcatg	tggtgcttaa	tgacagggaa	acattctgag	300
aaatgcattg	ttaggtgatt	tcctcattgt	gcaaacatca	cagagtatac	gtacacaaat	360
ctagatggta	gcacctatta	cacacctagg	ctatatgcta	tagcttattg	ctcctaggct	420



ataaacctct	acagcatggt	tctgtactga	attctgtagg	caactgtagc	agaatggaaa	480
gtatttatgt	atctaaacat	agaaaaatat	atagtaaaaa	tacagcattg	taatcatata	540
tgtgggcat	taggtgatgc	ataactgtaa	tatctaatat	ttaatttatt	agatagttat	600
ctcaaacatt	tagtatctag	taaataaact	tattttatat	tactatctag	gggacttatt	660
tgaaaattac	tgcagaaatg	atgacctggt	aacatttgga	agattttggt	atggtgtcac	720
tgtcattttg	acatacccta	tggaatgctt	tgtgacaaga	gaggtaaagc	cggttccttc	780
ccaacgcttt	acccaggtga	tctctctgcc	acatttaatt	taggaagatt	tataaataat	840
acagtttggc	aaattcccaa	gggcatgaca	aatggtataa	tttgtaaaat	ttctcttttt	900
gactctaaaa	tgtcagagtt	taaagatgaa	tttatattca	gatgttttaca	agacaaat	960
tcaaaagtct	ggtttgaaaa	ttaaggttgg	tagatttggc	ttatatctct	gtgagcacia	1020
atatttatac	aactgcattc	caaagtgact	gccagccttt	tgcgacagcc	aaactaaagt	1080
tgttgctttt	aaggcattct	tacaaagaaa	ttaagtatca	agggttataa	catgttttac	1140
aaaactgtct	ttttgcttag	atgtttttatc	agtcaacatg	tattaaaggc	actgtagaat	1200
ctacagattc	taactgggtt	tgttattttt	taaaaactaa	aatatcttat	attccatgga	1260
gaacccaaat	tcaactgaaa	cttttagttt	tacagatata	ttttatttat	gtatttatac	1320
atgtagacgt	gtatatattac	aactatacat	aacataaact	aataatataa	ataataacaa	1380
atatatagga	tattattttac	atataaatat	attgtattgt	caaagtcagc	cttaaatggg	1440
gttatatat	ccacttgtat	ttgtagagaa	atattattctg	aaagagaatt	cattcttttg	1500
gtgtaaaatt	ggataaacatg	gcctgtcagg	aatcccttat	gctgtcagct	aaaaatccac	1560
tgtaccagtc	ggcagtaaaa	catgatcttg	cttcacagtg	ggtctttcag	ggaccacact	1620
gaaaagggct	cagtcataagg	atctgttctt	agaggctgtt	tatacagtcg	accatgtgaa	1680
aggggtctaat	gagataagtg	aaatatctac	agagctttaa	atacactaaa	taatcagcag	1740
gcttcttgag	gcaagccagg	gcttacttta	agtcagtcct	agggataagg	aactgactgc	1800
acggggaaac	agaagaggga	aatgttttagc	actgtgtatg	tcttttacaa	ctagcacttc	1860
tctccctcac	acatgtataa	ctcacaggcc	agttctctac	cttgactata	aaggagaaat	1920
agactgaact	aatttttttt	taaatttaag	agcctttcga	aactttacta	gctattgtca	1980
gatgcaggac	atggtattat	tttagcttct	gctcagtagc	taggttcaaa	tctaactctt	2040
agatcagcaa	gtaagaacag	atgggtgcatt	ctcacgtggt	tgctagtaaa	ctgcctgcct	2100
gcagacgata	tgagtcactt	cacctgcaca	acttctgtgt	ttagtacttg	aaacttgagt	2160
ttcttttcta	gctgctgtgg	caggaagata	gaactgaatc	aagatctctg	ccacaatagc	2220
aaatactcag	cagaagaatg	gtgtctataa	ctttcccttc	tcttactctt	cattctgcac	2280
acacacacag	gtacacacac	aaatgtatga	ctgacaaaaa	tataatcaaa	ctgtttcaat	2340
tcataaaaagc	actaaaaagg	ctgtctaccc	ttaacaaaata	tctcttacta	cctgcctcac	2400
taagtgtatt	ttcactctca	caattatatc	atagaggcat	ctgtaagaat	ggatcttaaa	2460
taagataata	cttggagaga	cattacaact	tatgttatta	atatccacct	taaattatta	2520
gcaaaagcat	ggcagtatgt	gacacatggg	agatgttgca	tatccaggca	gcacagctta	2580
gagagatggc	ttctttatga	tacctcaata	tctgaccttc	tgttatttcc	aactctttgt	2640
ctcactgttc	ttttgcacag	ggtcactact	tattcagact	atcttctctt	tatctcccat	2700
aggaattgtt	cctgttatta	cctctttgct	ctttttcacg	ctctgtctc	agcctataat	2760
tctctccaaa	tcctgtgcat	gtttcaagcc	ctacctcaaa	ccaaggtagg	tcaagcatat	2820
ttcaggggatg	ctgtaaaagga	gattactgtg	aggagacggc	tctagatacc	taaagctcct	2880
tctagtccct	aattctcctt	gatctttttt	gtcctgttat	aaattgatct	ctactgtcct	2940
ttttaagttt	cgttgtatgc	ctccaaaaat	taattcttga	gaataggaat	ctattccctg	3000
acattttatc	tttgcaaac	atatcataat	atgggacaca	ttaagtcagt	aattttttat	3060
tgtctttcctg	atctgagtag	tcatgaaaaa	tgggtgatga	ctcttgccca	tttttgttga	3120
ggaaaaggcaa	gataaaaatag	acttaaatta	taacaaatag	gaattagtta	atgcagaatt	3180
aatttctctgt	tagtaaagga	tattacacat	ccagtattaa	taagggaaat	gtgacagcta	3240
cttcttagag	gccatgcaaa	taatctaaat	agcatgttta	gtttgtttta	gtagtaacct	3300
attggactca	agaaagaagg	ataagataac	tttccaaagt	ctctcctgta	cttgaaagat	3360
acatgtattg	aaacatcggg	atgccacact	ataggtctgt	aatataatcc	actgactaat	3420
agtttaacaa	agaatactgt	ttattgatat	gtgtgtctgt	atgtaagtaa	tttggaataa	3480
atagaacatt	cctagtgact	taagatttga	ttaatagcct	tgttggtagt	attttatata	3540
ttcctaaaata	ctattgtaaa	atactccctc	aataaatcct	gcatgccttt	aaaagtcctt	3600
ctcaaaaataa	tctgtttatt	cggcaggtaa	ttgccaatgt	gttttttggg	gggaatcttt	3660
catcggtttt	ccacattgtt	gtaacagtga	tggtcacac	tgtagccacg	cttgtgtcat	3720
tgtgattga	ttgcctcggg	atagttctag	aactcaatgt	gagtacgtgc	aaagattttac	3780
cccttcactc	taaaattctc	tntaaaagat	aatgattaca	tttaacataa	gatgtatttt	3840
ccttaacaaa	agtgtcactt	ttgaagtgga	atcaaaatat	gtttgtataa	gtaaatat	3900
tcaatgatga	ttctgtgcac	tttgtgggac				

gtcaattgtg	ctgaggttga	gaaaccctgg	tttagagtag	ttttgcatat	ctcattttact	4140
ataacacata	aatgttacta	aaaatagcta	taaattaagt	ggattttggac	tttgctgaat	4200
aataatatat	ctagtgaat	ttatgagaaa	tatgaaagga	ttcaagttat	atccattcac	4260
ttgctatgac	aaaattttctt	tttcttttaa	tatttttctt	tctccagatc	tttcttttat	4320
agtctgcact	gccatcaacc	aaatagaagt	cctcataata	tcacagttga	attaatccca	4380
gctctgtttc	aactatcatg	tatttaagtt	ctgctttcag	tttatcggca	ttttcctacc	4440
agagcaagta	taaattccgt	tgcttctacc	atcttgtctt	ctgtgtaaaa	ctatttccca	4500
tttactttccc	aaaattttatg	ttcagctcta	gtcaatctaa	ttttttggcc	tgtgaataag	4560
ccatatcaat	tctttccatt	attctttgtc	ctatctgctt	tttatttccg	ataatgatta	4620
tttttctttc	atttctgtcc	aaattttaca	aaaactttta	gatccagtg	aacttctaat	4680
tccttttattc	acattcactg	atcatatatt	tattgagtaa	ttactatgtg	ccacacaata	4740
gaatataagg	atgaatgcaa	taagaaagga	cctgtgcatt	ctcacaata	aacataaaag	4800
ttcaactgca	atataggtga	tgaagacaga	ggaggccagg	aacggtggct	cacactgtaa	4860
tctcagcatt	tttggaggcc	aaagtggatg	gattgtctga	gcccaggagt	tggagaccag	4920
cctgggcaac	acagtgaac	cccgttctta	caaaaaatta	gccgggtttg	gtggcatgtg	4980
cctgtagtcc	cagctacttg	agaggctgag	gtgagaggat	tgcttgagcc	caggaggtag	5040
aggtttcagt	gagctgagat	ggcaccactg	cactccagcc	tgggcaacag	agtgaagacc	5100
ggtctcaaaa	aaaaaa					5116

<210> 9103  
 <211> 10115  
 <212> DNA  
 <213> Homo sapiens

<400> 9103						
ctgaacctct	tctttacaac	gaaatgatgc	tcaaggtatt	gtagcatttt	atgtgactta	60
cttaaatgac	ttttctagca	gacttcttcc	ttcctcaatt	tcttcagttg	ccctctcctt	120
ttaagaacta	cctgcttctg	cttttaacttt	tctttcaacc	tgtgggctac	ctaattaact	180
gcatggtggc	tttcattact	gtttttacaaa	tgagatacat	gattctattg	tacaaagtta	240
ggaaggggaat	gaattatgac	aagttcattg	aatttttaacc	ccctagtttt	atgtgtccat	300
tatgacgctg	ccagattgca	tttctgttaa	tctattttact	gtcaccacct	tctgtataag	360
ataagctttt	tgaggcgagga	accatccagt	attgacttgg	cagtcttgag	agcttagaac	420
agtgtctggac	tcatagtaag	aacttgtggg	ccgggcacag	tggctcaggc	ctgtaatccc	480
agcacttttg	gaggccgagg	cggatggatc	acgagatcag	gggagatcga	caccatgctc	540
gctaactcgg	taaaacccgg	tctctactaa	gaatacaaaa	aattagctgg	gcgtgggtggc	600
aggcgccccgt	agtcccagct	actcgggagg	ctgaggcgag	agaatggcgt	gaaccgggga	660
ggtggagctt	gcagtgaagc	gagatcgtgt	cactgtactc	cagcctagcg	acagagcgag	720
actccgtctt	gaaaaaaaaa	aattgtgaaa	ttgatttgtt	cagtggcttt	atgttattct	780
ttactttaaa	taatcactgt	attttaactaa	acagagatgc	aaatgccatg	agaaggtcaa	840
gcagatcaga	agatatatttg	gaaatagatg	aacgcaagga	ccacagacag	ctgagcagct	900
gtgtgtttat	ttccctcacg	tttcgttctt	tcaggggcca	gggacagcca	tgtgttcttt	960
ggcacacagg	gtgctgttca	ggacttccag	aggattccag	ggctccacct	tcctgtatca	1020
ccagcagcac	ggtctcatat	ggatggatgg	tgcaagtacc	tccagggtct	catgtcacca	1080
cccacacctc	cccactgctc	ccagttctca	cattcctcca	taagacaccc	ctgggtcaga	1140
tctagccctg	aagagatgaa	tgatcaatca	ctacatgccc	ccagctgtgg	ggtttgtggg	1200
ggtgagaaga	gaggtttaaa	agaggtagtt	ttgcttagag	tcagggatcc	aatcaatatt	1260
tgaaactctt	aagtttaaac	cctttcttcc	tctctctttc	tgcccctaaa	aatattttta	1320
ctgcaatttc	tagcagcgtg	aaaatcaaca	ttattgttat	tcttccacct	taatctgaaa	1380
cctttgtgcc	accatccttt	ctctctccca	gccatcttct	ctctgtcttt	cgcccacccc	1440
atacaccctt	ccacctttct	atcaaagccc	tcagagacat	aaaaaatagc	ccatcctttt	1500
gaaaatggca	agtgttcctt	gacttgataa	acctgacatg	aggctctgta	aatgggacta	1560
gtcagtgtcc	aggttgaagg	acgttcagct	aggcacgggt	tccatctctg	tagctctgtc	1620
ctggcactga	gctcagtatc	aaagaacccc	agatacccca	ggtcccctaa	tccaatagcc	1680
cctcacccta	cagctaagat	ttaaaaatga	agtatctgat	gttgagagag	acaaatttag	1740
ttgtgcaatg	atgtagtaac	cagaacaaga	aaggggaagca	atccaatatt	cactaggtgg	1800
tgagcagata	gtgaaacctg	acttaagatg	ggatgttttt	aactctacat	aatagatgct	1860
ctcttgtgaa	aatgtgtaga	aaacaaaata	acagtctaca	tattgaagaa	tttgaatttt	1920
aaaagaattg	cagagtactc	cactgtcttat	gaaattcaag	taatcttaca	tgtttttctt	1980
atctagctta	tgggtagaag	cagaatgagc	ttctccagtg	ggatgaacac	agacacttca	2040
tattcaacaa	gttcacactg	agcccatcat	cattgtcttg	aaggctgctc	ctcttctctg	2100

gttctctctc	ttggccaatg	gcactgccat	ttccccatcc	agaacctggg	atactgcagc	2160
agtcttttca	ctgcccctgt	ctacccctct	ccaatccatt	ctctacacaa	ctgcctacag	2220
gaatctttcc	aaaacattag	ttctgaccat	aactctactt	ttcttaagac	agcactttgg	2280
ctccccattg	acatcacagt	ctttagagtg	atgtaatggt	catcattcgg	tcataagctg	2340
caaatccatt	ctcctttctc	cctctgtctc	ctgcatgcaa	ctccacagct	gaaaggagcc	2400
aaactccctc	cactctctca	cacctcccag	ccttgcccct	tgcttccact	tctaccttta	2460
ccctccattc	tcatcacctt	acactattat	ctgatgacta	ctcttaagtt	ttcataacca	2520
gatcaagtat	cgatgtctcc	accaacaggg	aagagcaggg	agtgggtctc	aagtcacata	2580
tgtaatttaa	aattttctag	tattttaaat	tttagaaaat	gttttagaaga	aactgatcaa	2640
ttaataacat	gtttttattta	caccatatcc	catatatatt	tatgttgata	tcaatatatt	2700
gaattttttt	tattaagatg	agaggagtct	cactctgttg	cccaggcggg	agtgcggtgg	2760
catgatctca	gctcactgca	acctccgcct	cccagggtta	agcaattctc	ccacctcagc	2820
ttcctgagta	gctgggatta	caggtaccca	ccaccacacc	cggctaattt	ttgtattttt	2880
agtagagatg	gggttttgcc	accttggcca	ggctgttctt	gaactgctga	cctcaagtga	2940
tccatctgcc	ttggtctccc	aaagtgtctg	gattacgggc	atgagccacc	acacctgggtc	3000
aatgaataga	acattgattc	agcatgcaat	caatatTTTT	aaattattga	gatgctttat	3060
atcctttttt	tctactaag	ctttcaaaaa	tcagtcttta	ttttactctt	atgacacatc	3120
tcaatttgct	gcatttcaag	tgctcagtag	ccacattagg	gagtagctgc	catattgtac	3180
gtaagagcac	cagagcactt	gagagcctcc	tagagatcct	aatgaaaaca	gaatcctgtg	3240
ctatgcttcc	agagggttcca	tttctggggg	gagtctaatt	ttggtgggtc	ggagtgggga	3300
ccagaaatgt	tccttttctg	caagaacccc	aggcagttct	gaggtacatg	ttcgtctgac	3360
cattttgggag	ttgatagcta	gatgcactga	ttgtcgagtt	acacctatag	gggtttatgt	3420
tcagattcca	ccacctaaaa	gctgtgaaaa	ttagtaactt	cagttctcta	ggtctcagtc	3480
tcctcacctg	caaaaaatac	tacctagaga	cttgtgggta	ttaaaagggt	aatatatatt	3540
agacattcag	cacagtgcct	ggcagggtgc	tcataatagc	agctgtgcac	tgaccccgca	3600
gaaatctcta	tcacacagac	gaggtgtccc	ttgcatcctc	ctcccacaac	tctctgtgct	3660
tcctccacc	accacccatc	acgcaatgct	gtgtcctgtg	cttgctatgc	tgccccctcaa	3720
ctcaactgag	aagataaaact	ggctgtctgt	tgctcccaca	ttactctgcc	tcacacatag	3780
taggtgctta	gtacacatct	tttttttttt	agaaattaaa	ctaaatctga	gcaactgggt	3840
ttctttagt	ggagcaaaac	tctttatgca	aaagtgcctc	aagggtgtct	atagaacaga	3900
agtgtgtaag	taaagtgggg	tgtatccctg	tcctaacact	cttcccttta	aagtctatca	3960
cagaaagctt	tgccacagca	atccatggct	tgaaagtggg	acacctgaca	gatcgtgtta	4020
ttcagaggag	caagaggatg	attctagaca	ctctgggtgc	tggttctctg	ggaaccacta	4080
cggaagtgtt	tcacatagcc	agccaatata	gcaaggtaag	aagctcaagg	tctacattag	4140
agataaaacc	cagtgcatac	atatgtgtta	catttactct	atacttcgtt	ttatagacag	4200
cacttgatgt	acatagcact	gttctatatc	atTTTTataa	tttcttatgt	tccattatct	4260
gagttttaat	agtcattccat	attctttact	aagtcactgt	cttaaaacca	tacacagtga	4320
ggcacagtgg	ctcatatctg	taatcccagc	actaccagag	gccaagggtg	gcagacgggt	4380
tgagcctagg	aatttgagac	cagccttggc	aacatggcaa	agacccattt	ctacaaaaac	4440
aaaaaacata	aaaattagcc	agggtgtgata	gcacacgcct	atagtcccag	ctactcggga	4500
ggctgagagg	tgggaggatc	acttgagcct	gagagggttg	ggttgtagta	agtcaagatc	4560
atgccactgc	actccagcca	aggcaacaga	gcatgacctt	gtcttaaaaa	caaacaaaca	4620
aataaacaga	aaaaaaaaat	gctaataata	tctcacagtt	tattattatt	attctctgga	4680
gaaaagcctg	gtcaagtact	ctgagcagag	tggggatgta	tgtgagagct	cctgctctcc	4740
ctaggggtga	ttagagataa	acagttagtc	catcttccct	ggtatttacc	ccaaggagta	4800
aataagagta	acttcagatg	tgcttccctg	gagcacttcc	ggatcatgat	ctaggatcaa	4860
gcaacgacat	ctcctcccc	tttcacaggg	gagagctgtg	tattctacaa	ggatgagagg	4920
tattcaatga	ctagggcttc	tatctgtggc	aaaggttcaa	gtaagaacta	tgaataatgc	4980
ctccaaagat	gaagaataac	tcttgaaatg	gtgacttggt	atactgtatt	cacactatca	5040
ctggttgatt	tgcttttggt	ccagatctac	agttccaaca	tatccagcac	tggttggggt	5100
cagccagaca	tcaggctccc	gccacatat	gctgcttttg	tgaacgggtg	ggctgtaagg	5160
aggttttcac	gtcttttcaa	ctattagata	atcataataa	tttttagagtc	aggaaatatc	5220
tcagaaattg	cccaaattct	atattttaca	gatgaaagaa	ctgaaagtca	gacagataaa	5280
gtggcttacc	ctctctccta	tgtagtaatt	cagttttcat	gtttttacag	taaattgatg	5340
cttttcaaac	agatttgtga	gcagaggaaa	gaagatggaa	ggatttagat	aaaaacacc	5400
taaggtatcc	caattcaaaa	ccttgaatat	aaatatataa	aaatatataa	acccatatcc	5460
agacctaaata	tcttctgttt	ttcctgttgt	ggggccagtt	tctctcaagt	aatgtgttct	5520
ttattcattc	actcattcat	ccattcaaca	gatagttatt	gagaaaggaa	caatggcctt	5580
atagtgtctg	tattttctga	acaaaaaatc	tgtacttctc	atctgacaga	tgatttttat	5640
gctttttctg	tgtgtcacgg	gaaatattct	acaagatgta	acttggaaac	agacatgttg	5700
ggatttccga	gatattttta	tgattttatg	gtacaatagc	tcaggagatt	gaaagttaaa	5760

gccaacggtg	cattccaaag	caatgtcctg	aaagcagtg	gaaatgcacc	agtgcagca	5820
aatagatata	aaaatctatt	tttaaataaa	cttctggata	ttactgtttt	aatataaaga	5880
aaaagaaaat	ggctaggaga	aagaggaata	agatcttaaa	gcagaaaata	atgattttta	5940
aaatatatag	ctgaaaaagt	aatctgagtt	tgacagttat	tgtgctattc	ttacaacttc	6000
tctaaaagtt	tgaattattt	tcataataaa	aaggtacaaa	aacgtatggc	ctcatatgga	6060
ataaatgaca	ttaaacttgc	agtgcactt	atttaaaggg	tggaggagga	attgccagcc	6120
acctgattct	gcagctttgt	ttttaaaggg	gaatatagat	ctttccaggg	gccacagcag	6180
agggagctca	ggccaccagg	gcaagaccca	agctccttgg	ggctcacaag	ctgctctcca	6240
agggtactccc	ttcctctggc	agaggaacag	catttcccag	tgcccggcca	tgtgattaat	6300
aatcacagcc	aggccagggt	tgggtggctca	cgcttgtaat	cctagcactt	tgggaggctg	6360
aggcggggcg	ataacgaggt	caggagtttg	agaccaccct	ggccaacata	gtgaaactcc	6420
gtctctacta	aaaatacaaa	aattagccag	gtgcggtggg	gggcacctgt	tatcccagct	6480
gctccagagg	ctgaggcgag	agaattgctt	gaaccaggga	ggcagagggt	gcagtgcagc	6540
aggatcatgc	cactgcactc	cagcctaggt	gacagagcaa	gactctgtct	caaaaaaaaa	6600
aaaaaaaaaa	aaaaaaagaa	aaaaaatcac	agacatttct	cagattttct	tttctgagaa	6660
tcagatcaaa	agaatctcac	ataaaaaca	gttattacta	aactaagtcc	ttagtgggtc	6720
aaaagccatt	gcattaagg	aaaatttaag	gctttttgtt	gctgtttgtg	tctgtttata	6780
cagattcact	ccatggattt	tgatgacacg	tggcaccctg	ccaccacccc	ttctggggct	6840
gtccttctct	tcctcacagc	tttagcagaa	gccctgccaa	ggagtccaaa	gtttttctgg	6900
cttgacctgc	tgtgtgcttt	caatgttggt	attgaagtgc	aaggccgatt	actgcatttc	6960
gccaaaggag	ccaatgacat	gccaaaggag	tatggagaga	atttgcccca	tcaaaaggta	7020
gtcacatccc	cttcatctat	caatcattat	ctccgtagag	ctttctgact	tagaggccgg	7080
ttcagaggaa	gatgttaaca	ttagcacagg	tagataagtc	aatacaccag	tcacatacga	7140
aacctctctat	ccacatttaa	agaagtgact	tcaagagtgc	aacctggacc	gtgagattaa	7200
ttgggcctct	cggtgcaagg	tgattcatgt	cattctggca	ttcatgggtg	tactgagtat	7260
tccttatttc	attctcaaa	cagaatctat	tctgagacta	gctagcgtcc	ctcagactaa	7320
tgaggacatt	cagaatatcc	ttactctgac	tgttcacctc	gcagataaaa	aatgggtcaa	7380
tgtcggccac	atcatatggc	tcagtctcag	atttatgttg	ccacttgctc	cagcctgcc	7440
ggagagaagt	aaattgaaat	actaggtagt	gaagtttcag	tttcttcaag	gcccacaatt	7500
ctcacagtga	cttagatgag	atctcagcaa	tcaattctg	ttgcctttct	ggcaataatt	7560
gtaatgggtac	cattttataaa	gaactcacta	tgtgctagca	ctattgtaaa	catgttaatt	7620
tattcaaagc	tcctaaaact	ctaagaggta	gatgttatta	ttatcaccat	tttattttat	7680
tttttgagat	ggagtctcgc	tctgttgcca	ggctggagt	cagtgggtgta	atcttggtc	7740
attgcaacct	ccgcctcctg	ggttcaagt	attctcctgc	ctcagcctcc	caagtagctg	7800
ggactacagg	catgcaccac	catgccagc	taatttttgt	attttttagta	gagacggggt	7860
ttcgtcatgt	tggccaggat	ggtctcgagc	tcttgacctt	gtgatctgcc	tgcctcagcc	7920
tcccaaagt	ctgggattac	aggcgtgagc	catcgtgccc	ggccttatta	ttattatttt	7980
tattattata	tttttttgag	acagtctcac	tctgtcacct	aggctggagt	gcagcagcat	8040
gatctcagct	cactgcagcg	tctgcctccc	aggttcaagg	gattctcctg	cctcagctc	8100
ccaagtagct	gggactgcag	gcacccacca	ccacatccgg	caaatttttg	tatttttagt	8160
agagtcagtg	ttttgccatg	ttggccaacc	tagtctcaaa	ctcctgacct	cagatgaccc	8220
tcccaccttg	gcctcccaaa	gtcctgggat	tacaggcatg	aaccaccaca	cctcgcctat	8280
caccattttg	tgtaaagaaa	actctacaga	gaagttgaat	aattttcccc	agatcatata	8340
gctaataaag	taatggagct	gagatctgaa	cccagacagt	gtgactccat	tatcaatgtt	8400
cttgatgact	acgctatcct	gcctcctggt	ggttacggtt	tgtacatctc	caactctgct	8460
tctttgcttt	tcagattcca	tcccccttcc	gtggtaggaa	cgttgggtag	tgtgtctgct	8520
gcatccaagt	tttttaggact	tagctcgaca	aagtgcagag	aagctctggc	cattgtctgt	8580
tcccatgctg	gggcacccat	ggccaatgct	gccaccaga	ccaagcccct	ccacattggc	8640
aatgctgcc	agcatgggat	agaagctgca	tttttgccaa	tgttgggtct	ccaaggaaac	8700
aagcaggtct	tggacttgga	ggcaggattt	ggggcctttt	atgccaaacta	ttccccaaaa	8760
gtccttccaa	gcatagcttc	ctacagttgg	ctgctggacc	agcaggacgt	ggcctttaag	8820
cgttttcctg	cacattttatc	tacccactgg	gtggcagacg	cagctgcata	tgtgagaaag	8880
caccttgtag	cagagagagc	cctgcttcca	actgactaca	ttaagagaat	tgtgtctcag	8940
ataccaaatg	tccagtagtg	aaacaggccc	tttccagttt	cggagcatga	agcccgctcat	9000
tcattccagt	atgtggcctg	tgccatgctg	cttgatgggt	gcatcactgt	ccccctattc	9060
catgaatgcc	agatcaacag	gccacaggtg	agagagctgc	tcagtaaggt	ggagctggag	9120
taccctccgg	acaacttgcc	aagcttcaac	atactgtact	gtgaaataag	tgtcaccctc	9180
aaggatggag	ccaccttcac	agatcgctct	gataccttct	atgggcaactg	gagaaaacca	9240
ctgagccagg	aggacctaga	ggaaaagttc	agagccaatg	cctccaagat	gctgtcctgg	9300
gacacagtgg	aaagccttat	aaagatagtc	aaaaatctag	aagacctaga	agactgttct	9360
gtgttaacta	cacttctcaa	aggaccctct	ccaccagag	tagcttcaaa	ctctccagca	9420

0950063 091201  
102750 0900566

tgtaataatt	ctatcacaaa	tctctcctga	ggcttaccaa	catctaaatg	actttgcatt	9480
tggggagatt	caatgatttg	gtttgtaaag	caaggggtctg	ctgcttggtt	ttcccaggaa	9540
aaatgaacaa	agatggagag	agtcagaaa	cagaactaca	tatatctgga	aggagccttc	9600
tcctgaaaat	tttgcaggac	agttccactt	acctaactca	agatgaaaca	cacacacaaa	9660
aatgagtttg	taagcattca	caagggtgaa	attcaactca	cctgtgattt	acttataaaa	9720
ttaatctctt	cataggaatt	atgtgtggac	ttcatgagcc	tcaaggtttt	agagggatgt	9780
gaacctgcat	gtatattttc	tgacagtggg	gaggggtctg	gtgcattgtg	tcaccaacag	9840
atctcctaga	ccatggctta	ttaccaagcc	ctccacagtg	caaggggtgc	tactggggaa	9900
tgggtgggtt	taaatcctgc	ctctgccatt	cactagatgt	agccttgagc	atgttaccat	9960
tagccctctg	cctcagtttc	cctattttgt	aagccgaagt	aaaaagcagt	ctggaaaaat	10020
cgcattttgg	ctctagaacc	catggtctta	agcactgcaa	tatatcacct	ttcagtataa	10080
aaatatttga	atcagagttg	caataaagaa	tgaaa			10115

<210> 9104  
<211> 6404  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> SITE  
<222> (1484)  
<223> n equals a,t,g, or c

<400> 9104						
ctcaactcaa	ctgagaagat	aaactggctg	ctgtgtgctc	ccacattact	ctgcctcaca	60
catagtaggt	gcttagtaca	catctttttt	tttttagaaa	ttaaactaaa	tctgagcaac	120
tgggtttctt	gtagtggagc	aaaactcttt	atgcaaaagt	gcctcaaggt	gtcttataga	180
acagaagtgt	gtaagtaaa	tgggtgtgat	ccctgtccta	acactcttcc	ctttaaagtc	240
tatcacagaa	agctttgcca	cagcaatcca	tggcttgaaa	gtgggacacc	tgacagatcg	300
tgttattcag	aggagcaaga	ggatgattct	agacactctg	ggtgctgggt	tcctgggaac	360
cactacggaa	gtgtttcaca	tagccagcca	atatagcaag	gtaagaagct	caaggtctac	420
attagagata	aaacccagtg	catacatatg	tgttacattt	actctatact	tcgttttata	480
gacagcactt	gatgtacata	gcactgttct	atatcatttt	tataatttcc	catgttccat	540
tatctgagtt	ttaatagtca	tccatattct	ttactaagtc	actgtcttaa	aaccatacac	600
agtgaggcac	agtggctcat	atctgtaatc	ccagcactac	cagaggccaa	ggtgggcaga	660
cggtttgagc	ctaggaattt	gagaccagcc	ttggcaacat	ggcaaagacc	catttctaca	720
aaaacaaaaa	acataaaaaa	tagccaggtg	tgatagcaca	cgcctatagt	cccagctact	780
cgggaggctg	agagggtggga	ggatcacttg	agcctgagag	gttggggttg	tagtaagtca	840
agatcatgcc	actgcactcc	agccaaggca	acagagcatg	accttgtctt	aaaaacaaac	900
aaacaaataa	acagaaaaaa	aatatgctaa	taatatctca	cagttttatta	ttattattct	960
ctggagaaaa	gcctgggtcaa	gtactctgag	cagagtgggg	atgtatgtga	gagctcctgc	1020
tctccctagg	gtgtattaga	gataaacagt	tagtccatct	tccctggtat	ttaccccaag	1080
gagtaataaa	gagtaacttc	agatgtgctt	ccttggagca	cttccggatc	atgatctagg	1140
atcaagcaac	gacatctcct	ccccctttca	caggggagag	ctgtgtattc	tacaaggatg	1200
agaggtattc	aatgactagg	gcttctatct	gtggcaagg	ttcaagtaag	aactatgaat	1260
aatgcctcca	aagatgaaga	ataactcttg	aaatggtgac	ttggtatact	gtactcacac	1320
tatcactggg	tgattttgctt	ttgttccaga	tctacagttc	caacatatcc	agcactgttt	1380
ggggtcagcc	agacatcagg	ctccctccca	catatgctgc	ttttgtgaac	ggtgtggctg	1440
taaggagggt	ttcacgtctt	ttcaactatt	acataatcat	aatnatttta	gagtcacgaa	1500
atatctcaga	aattgcccaa	attctatatt	tcacagatga	aagaactgca	agtcacacag	1560
ataacgtcgc	tcggcttacc	ctctctccta	tgtagtaatt	cagttttcat	gtttttacag	1620
ttaattgatg	cttttcaaac	agatttgtga	gcagaggaaa	gaagatggaa	ggatttagat	1680
aaaaacaccc	taaggtatcc	caattcaaaa	ccttgaatat	aaatagcaaa	aaaatataaa	1740
acccatatcc	agacctaata	tcttctgttt	ttcctgttgt	ggggccagtt	tctctcaagt	1800
aatgtgttct	ttattcattc	actcattcat	ccattcaaca	gatagttatt	gagaaaggaa	1860
caatggcctt	atagtgtctg	tattttctga	acaaaaatc	tgtacttctc	atctgacaga	1920
tgatttttat	gctttttctg	tgtgtcacgg	gaaatattct	acaagatgta	acttggaac	1980
agacatgttg	ggatttccga	gatattttta	tgattttatg	gtacaatagc	tcaggagatt	2040
gaaagttaaa	gccaacggtg	cattccaaag	caatgtcctg	aaagcagtgg	gaaatgcacc	2100
agtgcacgca	aatagatata	aaaatctatt	tttaaatgaa	cttctggata	ttactgtttt	2160

aatataaaga	aaaagaaaat	ggctaggaga	aagaggaata	agatcttaaa	gcagaaaata	2220
atgattttta	aaatatatag	ctgaaaagtt	aatctgagtt	tgacagttat	tgtgctattc	2280
ttacaacttc	tctaaaagtt	tgaaattatt	tcataataaa	aaggtagaaa	aacgtatggc	2340
ctcatatgga	ataaatgaca	ttaaacttgc	agtgaactt	atttaaaggg	tggaggagga	2400
attgccagcc	acctgattct	gcagctttgt	ttttaaaagg	gaatatagat	ctttccaggg	2460
gccacagcag	agggagctca	ggccaccagg	gcaagacca	agctccttgg	ggctcacaag	2520
ctgctctcca	aggtactccc	ttcctctggc	agaggaacag	catttcccag	tgcccggcca	2580
tgtgattaat	aatcacagcc	aggccagggt	tggtggctca	cgctgtaat	cctagcactt	2640
tgggaggctg	aggcgggagg	ataacgaggt	caggagtttg	agaccaccct	ggccaacata	2700
gtgaaactcc	gtctctacta	aaaatacaaa	aattagccag	gtgcgggtgg	gggcacctgt	2760
tatcccagct	gctccagagg	ctgaggcagg	agaattgctt	gaaccagga	ggcagagggt	2820
gcagtgcagc	aggatcatgc	cactgcactc	cagcctaggt	gacagagcaa	gactctgtct	2880
caaaaaaaaa	aaaaaaaaaa	aaaaaagaaa	aaaaatcaca	gacatttctc	agattttctt	2940
ttctgagaat	cagatcaaaa	gaatctcaca	taaaacaagg	ttattactaa	actaagtcct	3000
tagtggctca	aaagccattg	cattaaggga	aaatttaagg	ctttttgttg	ctgtttgtgt	3060
ctgtttatac	agattcactc	catggatttt	gatgacacgt	ggcaccctgc	caccaccctt	3120
tctggggctg	tccttcctgt	cctcacagct	ttagcagaag	ccctgccaaag	gagtccaaag	3180
ttttctggcc	ttgacctgct	gctggctttc	aatgttggtg	ttgaagtgca	aggccgatta	3240
ctgcatttcg	ccaaggaggc	cagtgcacatg	ccaaagaggt	atggagagaa	tttgcccat	3300
caaaaggtag	tcacatcccc	ttcatctatc	aatcattatc	tccgtagagc	tttctgactt	3360
agaggccggt	tcagaggaag	atgttaacat	tagcacaggt	agataagtca	atacaccagt	3420
cacatacgaa	accctctatc	cacattttaa	gaagtgcact	caagagtgc	acctggaccg	3480
tgagattaat	tgggcctctc	gttgcaagg	gattcatgtc	attctggcat	tcatgggtgt	3540
actgagtatt	ccttatttca	ttctcaaagc	agaatctatt	ctgagactag	ctagcgtccc	3600
tcagactaat	gaggacattc	agaatattct	tactctgact	gttcacctctg	cagataaaaa	3660
atggtcaaat	gtcggccaca	tcatatggct	cagtctcaga	tttatgttgc	cacttgctcc	3720
agcctgccag	gagagaagta	aattgaaata	ctaggtagtg	aagtttcagt	ttcttcaagg	3780
cccacaattc	tcacagtgc	ttagatgaga	tctcagcaat	caatagctgt	tgcctttctg	3840
gcaataattg	taatgggtacc	atttataaag	aactcactat	gtgctagcac	tattgtaaag	3900
atgttaattt	attcaaaagc	cctaaaactc	taagaggtag	atgttattat	tatcaccatt	3960
ttattttatt	ttttgagatg	gagtctcgct	ctgttgccag	gctggagtgc	agtgggtgaa	4020
tcttggtcca	ttgcaacctc	cgctcctctg	gttcaagtga	ttctcctgcc	tcagcctccc	4080
aagtagctgg	gactacaggc	atgcaccacc	atgccagct	aatttttgta	tttttagtag	4140
agacgggggt	tcgtcatggt	ggccaggatg	gtctcgagct	cttgaccttg	tgatctgcct	4200
gcctcagcct	cccaaagtgc	tgggattaca	ggcgtgagcc	atcgtgcccg	gccttattat	4260
tattattttt	attattatat	ttttttgaga	cagtctcact	ctgtcaccta	ggctggagtg	4320
cagcagcatg	atctcagctc	actgcagcgt	ctgcctccca	ggttcaaggg	attctcctgc	4380
ctcagctctc	caagtagctg	ggactgcagg	caccaccacc	cacatccggc	aaatttttgt	4440
atttttagta	gagtcagtg	tttgccatgt	tggccaaccct	agtctcaaac	tcctgacctc	4500
agatgaccct	cccaccttgg	cctcccaaag	tcttgggatt	acaggcatga	accaccacac	4560
ctcgcctatc	accattttgt	gtaagaaaaa	ctctacagag	aagttgaata	attttcccca	4620
gatcatatag	ctaataaagt	aatggagctg	agatctgaac	ccagacagtg	tgactccatt	4680
atcaatgttc	ttgatgacta	cgctatcctg	cctcctgggtg	gttacgggtt	gtacatctcc	4740
aactctgctt	ctttgctttt	cagattccat	cccccttccg	tggtaggaac	gttgggtagt	4800
gctgctgctg	catccaagtt	tttaggactt	agctcgacaa	agtgccgaga	agctctggcc	4860
attgctgttt	cccattgctg	ggcaccatgt	gccaatgctg	ccaccagac	caagcccctc	4920
cacattggca	atgctgcca	gcatgggata	gcaatgcat	ttttggcaat	gttgggtctc	4980
caaggaaaca	agcaggctct	ggacttggag	gcaggatttg	gggcctttta	tgccaactat	5040
tccccaaaag	tccttccaag	catagcttcc	tacagttggc	tgctggacca	gcaggacgtg	5100
gcctttaagc	gttttccctg	acatttatct	acccactggg	tggcagacgc	agctgcactc	5160
gtgagaaagc	accttgttag	agagagagcc	ctgcttccaa	ctgactacat	taagagaatt	5220
gtgctcagga	taccaaatgt	ccagtatgta	aacaggccct	ttccagtttc	ggagcatgaa	5280
gcccgtcatt	cattccagta	tgtggcctgt	gccatgctgc	ttgatgggtg	catcactgtc	5340
ccctcattcc	atgaatgcca	gatcaacagg	ccacagggtg	gagagctgct	cagtaagggtg	5400
gagctggagt	accctccgga	caacttgcca	agcttcaaca	tactgtactg	tgaaataagt	5460
gtcaccttca	aggatggagc	caccttcaca	gatcgctctg	ataccttcta	tgggcactgg	5520
agaaaaccac	tgagccagga	ggacctagag	gaaaagttca	gagccaatgc	ctccaagatg	5580
ctgtcctggg	acacagtggg	aagccttata	aagatagtca	aaaatctaga	agacctagaa	5640
gactgttctg	tgtaaactac	acttctcaaa	ggaccctctc	caccagagggt	agcttcaaac	5700
tctccagcat	gtaataattc	tatcacaaat	ctctcctgag	gcttaccac	atctaaatga	5760
ctttgcattt	ggggagattc	aatgatttgg	tttgtaaagc	aagggtctgc	tgcttggttt	5820

tcccaggaaa	aatgaacaaa	gatggagaga	gtccagaaac	agaactacat	atatctggaa	5880
ggagccttct	cctgaaaatt	ttgcaggaca	gttccactta	cctaaatcaa	gatgaaacac	5940
acacacaaaa	atgagtttgt	aagcattcac	aaggggtgaa	ttcaactcac	ctgtgattta	6000
cttataaaat	taatctcttc	ataggaatta	tgtgtggact	tcatgagcct	caaggtttta	6060
gagggatgtg	aacctgcatg	tatatcttct	gacagtggag	agggctctgg	tgcatttgtt	6120
caccaacaga	tctcctagac	catggccttat	taccaagccc	tccacagtgc	aaggggtgct	6180
actgggggaat	gggtggggtt	aaatcctgcc	tctgccattc	actagatgta	gccttgagca	6240
tgttaccatt	agccctctgc	ctcagtttcc	ctatttgtca	agccgaagta	aaaagcagtc	6300
tggaaaaatc	gcattttggc	tctagaaccc	atggtcttaa	gcactgcaat	atatcacctt	6360
tcagtataaa	aatatttgaa	tcagagttgc	aataaagaat	gaaa		6404

<210> 9105  
 <211> 10642  
 <212> DNA  
 <213> Homo sapiens

<400> 9105						
cctgaggagg	gagtttgtgg	gacctccaat	ttacagccag	ttggtcagat	gcataaggtga	60
tgtctggcct	tgcacctggg	gtctgacatg	cggatgggtcc	tgtgtgactg	agcccttaac	120
ctgtggagtc	tgggtgctcac	tctgcttagg	gcttctcttg	ccttttttagt	gtccttctag	180
gcgccctttc	cttctctctg	tcagctcaga	aaacttttct	tccacttccc	ttcttctaaa	240
ccatccctta	catctactcc	tttccagccg	accaagagca	gaaccacggc	tggttccact	300
gccaccatgc	tgtcccacac	tgtctctca	ggatgtattc	agatgtccag	ccctcccccc	360
agtctaggag	cccccccttt	gaggaaaggg	atgctggcct	agtcaactct	ttcccagcac	420
caggtacagc	atctggcacg	ttccatcttt	ttcatggact	ctccccagge	ggcctgacct	480
tcctctctct	gaaccgggtg	atttcttgtc	tgcattcatgt	ttgcccta	cagatatcac	540
cttatttctc	cttttaaaaa	atgcttttgt	tctctggcag	gcttcatcgg	aatacacaatt	600
ttcattcatt	tagtaactgt	tgttgtttat	tctatgtatt	tttgcaggag	gcctgaggtg	660
ggctgtgttc	tcctcctatg	gcagggtctc	actctcctcc	tcctccgttg	gggcttcgct	720
gtccctggga	taagaataac	aatgccaagg	ttttcattct	tgaaggagc	aattaagctt	780
ctcacccctc	cctcatttta	gatgggaact	gtgaggggcc	catcatttac	ccagggtccc	840
tgttgaggat	cttgtctca	ttagatgact	tcttgtgcag	cttccatgca	tgattattta	900
ttcttgtggc	actgagaggt	ttgtacatat	ctttaaacca	gagcggctgt	ccaaatgagg	960
aaagtccatc	ctagaagata	gaaaaggaaa	tattaatttt	gcattgtcctc	tgttttccct	1020
ggccacagca	atgaatcctc	caatgtacct	gactctccct	tcgcgaagag	catccccctc	1080
atggcagaaa	tctgaaaatg	cccctgggga	gacacatgca	caagacagtg	agtgatgcag	1140
ccgtttccca	cgtatctcac	aatgtacttc	tctggctcta	ttaggactaa	atgagtactc	1200
cagtcataaa	tcacaggagg	aaccaccacc	acagaccaca	taccgggggt	cttgaaaata	1260
attccatgca	tgtgggactt	tcagaagctc	tccatgtctg	cccagaaggg	ccccacaata	1320
tactgggggg	actttgtatg	tggctcagca	tggagcaggg	gcaggatttt	cagtccact	1380
cactcccttg	gccaaagtgc	cttgtgcagt	gaacaaactg	cacaaccatg	ctgggcagaa	1440
gcattttata	tcagtcacct	tcggacttag	tctcacaggc	atcatttgat	gggggatggg	1500
agatgaagtg	gttcttcgtt	ttctagatac	tttattctat	aagttggatc	acctcaagca	1560
aatgcgtgag	tgcagctagc	caagttctct	atctcacagt	cttcatatgg	ctggctgtcg	1620
ctgatgagtg	agtgagctac	gaaatcagct	taaagcaca	catgttattt	ttgaatttga	1680
ataaaatagg	aaaaggcaga	gtgcatttgt	tgaccatggg	gtaagtaaga	cactctccct	1740
ttctccttct	cagttttcct	gtcataaaaag	gacaaactac	tatctaagggt	ctccgtaggt	1800
aaaattcttt	tttgttgttt	tttttttatt	tgagacagtt	tggctcatte	cccaggctgg	1860
agtgcaatgg	tgtatctctg	gtcccttgca	acctgcgcct	cctgggctca	agcagttctc	1920
ctgcctcagc	ctcccaagta	gctgggatta	cacgcctgcg	ccaccacacc	cagctaattt	1980
agtattttta	gtagagatgg	ggtttcacca	tgttggtcag	gctgggtcacg	agctcctaac	2040
ctcaagtgat	cccaaagtgc	tgtgattaca	ggcgtgagcc	atcctgcctg	gcctttcttg	2100
ttaaaattct	gtgaggtttg	cataaaagga	atagagtagg	ggcccaaaaa	ccagtaagat	2160
gagaaaatag	tgtttcctca	gttctaggat	ccaggggaaa	aaaaaaagaa	ataaaagaga	2220
aaatactgtt	tcctgccact	taagagggaag	gactcacata	tcctaccttc	catcagcctt	2280
gaaggagaca	agtgcctctc	ctctcacacc	cgggtggcctt	cccttccctt	ttcccagagc	2340
ctccaagaag	gcccttggtc	tggcctgatg	cccaccatca	gcagcaatag	gcaccaaacc	2400
ctttctcctt	cctatccctc	cccacctccc	gaaagggctg	gggacagcag	gtgtgtcctt	2460
gttagttcca	tccagctcag	ctttggctgg	ggagctaatt	tcactggagc	caggctaagc	2520
attagggtaa	gtatttgtcc	tgtcttggtc	agtttctctc	ctgaaaaatg	agggcagagt	2580



tctaagccct	cctctaattc	taaaattcta	attaaaaacgt	cgcgagacta	gtggtgcatg	2640
cctgtaatcc	cagctactcg	ggaggctgag	gcaggagaaat	cgcttgaacc	tgggaagtgg	2700
agggttgcg	gagccgagat	cgtgtcattg	cactccagcc	tggcaacaag	agggaactc	2760
cgtctcaaaa	gagaagaaaa	aaaaaatcac	cagactaata	ttaccttga	gaatccttct	2820
tcatcttctt	gtaatgacct	tcggtgacaa	catatctgtt	ttagaagaaa	acgcaattaa	2880
gattatctat	gacaacaacc	accgtctcca	aatctgtatt	gattcctttt	attcattata	2940
agtctcatct	acctgatgag	gtaacttttt	tgaagacagg	aattgtatgc	tgtgtaacac	3000
tgctttgatt	cttccatagt	tcagtcatcc	ttgctatctt	gcgggggatt	ggttctagga	3060
taccgcccc	acaccatacc	agaatctgtg	gatgctcaat	cccttacata	taatgggtga	3120
atatttgctt	ataaccaaca	cgcaccccc	ctatacttta	tttacttagc	gacaggattg	3180
ccctctggtg	cttaacgctg	agtgcagtg	catcctctgt	tactcaggat	ggagtgcggt	3240
gtcacgata	cagctcactg	tagcctcaac	ctcctgggct	ccagtgatcc	gccacacctc	3300
gcctcttgag	tagctgagac	tacaggtgca	tactaccaca	cctggctatt	ttttttttta	3360
atttttaata	aagacaagg	ctcactatgc	tgcccagggt	ggcctcccaa	tgtgttgagg	3420
ttacaagtgt	gagccaccat	gcctggcccc	atgtaattta	agtcactact	aataaaatgt	3480
atacatattg	tacattgttg	acagttgtta	tattgtactt	tctgtttgta	tttttattgg	3540
tttttttttt	cttcaaatat	tcagcctgat	ctagttaga	ctgaagatgt	ggacctgctg	3600
atgaagagg	ctgactgtat	ctaacttagg	gtcttgcag	cagctggcac	ttaatacatt	3660
ttattgactg	ttttagataa	cattcaacag	ataattccta	ataaaaactc	ttaaaagtag	3720
gagaaaaagg	aaacctgagt	ccttcctctg	aagtggcagg	aaaaccagcc	tgggcaacat	3780
agcaagacct	tgtctctacg	aacacatttt	ttaaatttagc	tgcctgcctg	tagtcccagc	3840
cactcaggaa	gctgaggcag	gaggatccct	taagcccagg	agtttgatgt	tacagtgagc	3900
taggtcacac	cattgctctc	cagcctgggt	gacaacaagg	ccctgagaag	ggaaaaaaaa	3960
ggaaaggaaa	ggaaaggaaa	aaggaaaagg	gaaaggaagg	aaagagtaga	agtattggaa	4020
aggaagagac	aaaactatca	ttatttgcag	attaaatgat	aaatgttagc	caaagaagcc	4080
taagagaatc	aactaagatt	ttactggaag	taatgagaat	tcaatacagt	ggctatctac	4140
aaaatcaaga	aatcagcaca	caaacctcaa	atacttttcc	catgtaccac	caataactaa	4200
ttagaaaatg	gaagaaagat	cccatttaca	atggcaatac	aaatgtatga	agaatttagg	4260
aacaaaaata	caaagatctt	ttatcttaaca	aaagatgtat	aagatctata	tatggaaaca	4320
ctaaagctct	tctgaaagac	attaacaaga	aatgaataca	tgacatgaga	tagcacgttc	4380
ctagaatgtc	gtacagatgt	aaattctcaa	attaatctac	aaattttaacg	taatcctatt	4440
caaateccaa	gatagttttt	gggtggtggc	gttttttaaga	cagggcctag	ctgtgttgcc	4500
caggctagag	tgacgtggta	cgaccacagc	tactgcac	ctcgacctcc	caggctcaag	4560
cgatcctccc	acttcagcct	ctgaagtctc	tcatatgggtg	tccaagaaat	ggtgacaaat	4620
ctcaciaaagg	gactaggctc	agcagggctg	gaatattcag	ggaagggtgc	aagaagaaag	4680
atgaacttga	gttggtcttt	gagagatgca	taggactccc	acaggcagag	tgaataaagg	4740
gcatttttaga	tggacaaaca	cacagacaaa	agcagaaatg	tgggtgggtg	gactgggggt	4800
tggtgagggg	ctgctgtggc	tggaaatggg	ggctgccaca	ataatggaaa	tggtaaatga	4860
ggcaagttaag	gttgactgg	tggcatagcg	tcaaggttgc	cagctttatt	aaatcactct	4920
tccaatatgc	tagcactggc	ctgttgggaa	aagtaataca	tcattgtaatc	gaacaaaaga	4980
cagaggcaag	ctccaggaat	gggcactgta	aacaggactt	gtcccagagt	agccagatgt	5040
aggcttttagg	taagttgatg	caagctgagc	atctctaate	tgagggggaa	tgtctcacat	5100
ggtgtccaag	aaatggtgac	acatctcaca	gaggtcttag	gctcaggagg	gctagagtat	5160
gagacgttcc	ccctcaccag	tgaacttaaa	aatgtggcca	aaaatttttg	taaaagatgg	5220
ctactctgta	gtgctttaac	tggacctatt	tagacaatgc	cttacacact	ggaggacgat	5280
actgtgtaaa	tctaataagt	ctacaagaca	atacgtatgt	cttttggtct	tctccttctt	5340
ctccaggggtg	atgacaactc	cgtgaggggtg	gagattatac	ctctctcctc	atttcagcaa	5400
caaggaaaata	aattagtggc	agagtaagg	tgacttgatg	agtacatcca	attgttgaca	5460
tagttttggg	tgggagaaat	tttcgacttc	ttaaaatagt	ctagtgggat	tcacatgggt	5520
tcaattcaca	gagatctgaa	agcgaggatc	ctttaaaaat	cctgaaatat	acactgcagt	5580
aaaagaacaa	agcatacacc	tcagccttaa	atgactgaag	aagtatgtca	agtagcagca	5640
ggtgggaaaag	tggctttggg	tttcagtttg	tgagctctga	atccacacaa	agacaggact	5700
gcattctgaa	aacctgaatt	aattattgtc	cttaccacaa	tgaggcagaa	aagtataatc	5760
aaaatcgttta	gtattccagt	aacaattaat	gccaagatga	gtttgtcagt	atagccatat	5820
cctggaactt	cttttttgag	ctaaaaaaa	aaacacacaa	aaaaaaaaacc	agaatgagag	5880
ctaactattc	aaaacccag	tattccagg	gagtagctga	caggttcttt	tttatttttt	5940
tgaagagg	tctcactctg	tcacccaggc	ttgggtaccg	tgggtgcaatc	accgttctact	6000
agactcgacc	tccttgggct	caggtgatcc	tcacacctca	gccttccaag	tagctgggac	6060
tacaggcacg	tgtcatcaac	ccagctaatt	ttcttatttt	ttgtggagac	aggctttcac	6120
tatgttggcc	aagctggtct	caaactcctg	acttcaagta	atccaccac	cttcgcctcc	6180
caaagtgtg	agattacagg	cgtgagctac	cacccccggc	ctacagttca	tcttgtgccc	6240



taatctat	ctctctctac	atgagcaaag	tgggagatca	ctgtcatgac	caaagttaca	6300
tggccaagat	aagctatggc	ctgggagtc	cagactcttc	tgtgtgggca	ctttcctggg	6360
atatgctaaa	tgatgggaaa	tctgggtctc	atgtttctgt	gtggtcctca	cctcaagcga	6420
cttctctttc	tgttcaactct	gggcttctgt	gctctcatta	atgtagtctt	caatcttcca	6480
ttgggtccgta	tcccatctta	tcttgatgc	ctttacttcc	tgctgcccac	tgagaagcct	6540
catcaggtgg	cctgtcctgg	agatgagctt	ggcacaggte	acttgacat	gggccccaga	6600
gcagtcctac	ttcaagggtcc	ggataacatg	agcaatgagc	cttctcacat	tgttgttggg	6660
gataagggac	tgtagctgct	gggttagctg	aatttcaaac	tgatcacctg	gggacgagag	6720
caatgggtaa	ttgaagcttt	tgggctcggg	ggacagggtca	gtgcccacgt	tgttgtattc	6780
ccattttgtc	tcagtttgtt	taacagttgg	ccctaagttg	aatgcagtc	cagcggaatc	6840
tgccctcatga	ggatgattgt	agtttgtgtt	ttcagagatg	gttccttctg	gcatgttagt	6900
gttttccata	aaatcatttt	cttcaaaggc	atttcttgca	gttgtgtgtt	ttgtattatt	6960
gttttctata	aaatgttctg	aaggagcaga	tacttccaga	aaagggtttt	cttgaggact	7020
cagggtctcct	aaggatgaaa	aagccccttg	tgaaggggaa	tttatgaggc	tcttcgctgc	7080
agagaatgga	agcctgtttg	cgagcatcag	tctactcaga	taacttttct	ttctgacctt	7140
tggactcttt	ttgactttgg	gtgttctgtg	ggtcacgtgg	gagcgagtgt	tgtgaaagcg	7200
gtattttttt	ctggcatgta	cgattggttt	agacgtcttc	gtatttgtaa	ctctagcctt	7260
tgcactttct	aaaatggaaa	tagcgtgggt	taagtctttc	catctgtctc	tcacctgtgg	7320
tagggctttt	gcagggctgg	aggtagaagg	cgcgcccttg	gagaaggggt	tcagcacaga	7380
gactgtcgcc	ttatgctctt	gggtgaagga	aggcttgggt	tagacggcgt	ttcccgcata	7440
cttctcaggc	ccctgctgtg	tgtggggctg	ttccacctcc	cttggggctg	gactcccgag	7500
ccctttttct	tcggcagcgt	tctccacaga	tgccctgggca	ccctgttccc	tcctgatgct	7560
ctgccttctt	acctctttga	agtgcctttt	ctggatgctc	cttggggcca	tgaggactct	7620
cttcaactctc	tgccgggtttt	ggcctacagt	ttgaatcttt	gccaggctgt	ttcctgtggg	7680
tggcagttta	atgaacggta	gtaacagtga	tttcacatct	agggtttaccg	ctgagaaata	7740
aggcaagatg	taacttagtg	tactgataaa	atcactctcg	tcattgggtg	ctagctgctc	7800
actcccaaag	cctgacaagt	tgatgccact	gctgtctgag	ggctcctctg	gctcaacaat	7860
cagctcagtg	cttgtgtagt	tcttccgggc	ttgtaacacc	ttcatgaacg	ctccttctgg	7920
attccctacc	gatgcttctt	cagctgtcaa	aaaagaagag	actgctttga	tcatgaaaga	7980
tgatgggatg	ggatgcatac	gtccatagct	gtacacacca	gtcacacaga	gtaggagtca	8040
gcaaacattc	gagtgccatt	cagagagggg	aaacacacac	ccaatcctaa	acctatgaaa	8100
tggcaacaac	aaaaggagaa	aatacatctt	ttgaaaacac	ggccacctac	ttggaacatt	8160
ccatagtgtg	acatagagta	actctgttta	ggattatttc	gttgatcccc	agaggccaat	8220
tgcccagtg	tcagtcaaag	cccaagggtg	aagacaagtg	cttccctgat	gagctggcct	8280
ctctgcagac	tgctccgtac	cctgtgctgt	cctgcctcag	atgcagagag	agcacaaggc	8340
tcctgtctct	ctcgtcctcg	gtgcacctgt	gttcgtgcta	ccatcacage	tgaatgcaat	8400
gaaagggcgg	cctctgagag	gagcaggggt	gagatgctaa	agtggaggcc	ccgtcccat	8460
gctgatagat	cctcatctgg	catgcgctcc	accctcccca	ttctctgctc	ccacgtatcg	8520
tagccccatc	acagaagatg	cgacatggaa	aaacgcactg	tgtccaccct	agttctttaa	8580
tttgggcagg	gatttggggg	gtatgttaag	agtttttcaa	atttgccaga	ttgtatgcct	8640
atgttggtta	atacacaatg	aatccctggg	atgatagcag	tttctggata	aacattactt	8700
gaggtcctaa	aatgcagaag	ggaaaaagca	acttttgtca	gatgcctact	ttgttttcat	8760
ttcatctcta	atattttgga	tggggaatca	tccaaagctt	ctgactgcat	gaaggctcag	8820
tgtgccagtg	tgcaagctgg	tttcttttct	ggaattaaaa	gtactttggg	tgggtggtgag	8880
ggtcagagga	agaagtaaa	attgtgagaa	aggggaagaa	acatgggctt	gggggagaacc	8940
cagaattggg	gccagaagac	ctggcactag	gctacagcac	ttagcacctc	tgatcttgtt	9000
tttctctcat	tgtaaaagga	ggtaacaaa	gcttttctgc	ccacttcttg	gggagaaggg	9060
aataacataa	ttggtaaaaa	aaaaaaaaaa	aaaaaaaaag	tttgaaaaat	aagcaacact	9120
gactttatgt	aaccaagcat	tattaattct	ccaccccata	tcactggtag	atacctgtat	9180
tcaagctatc	tggacatgaa	agcagtcaca	ttttagaagt	catgaagtgt	atgctaataa	9240
gcctaatact	cagaaacact	cctgaaagcc	cctgagcggt	tgttctgtga	acagaaaggt	9300
ttgagattcg	gagcaagttc	agagttaggt	ggcttaagaa	tggaaaagcc	ctccattcca	9360
ttagaagagc	caggtagcaa	tttctgggtt	tggaaaccaga	agctctcagg	cttcaaataa	9420
aacagcatca	cttgtactct	tataaaactg	taaaaacaga	aagacaaaaa	ccgtatctac	9480
atctgtccta	taaggcagag	agtacttgag	atctcatgga	tttaaaacca	gcttacaac	9540
tacattgcac	tatatgaaga	aattatcact	gtgggcaag	catcaagcag	agagcacagt	9600
atacagtggt	tggatgttaa	tgttattccc	tagccttccc	attcctttgt	cttggctcct	9660
tctgcataatg	gaacagttct	attattaaat	tttgtaatat	taactgagaa	cctgactttc	9720
agcaaggggag	tagttcggaa	attgaggggag	tttaactctg	aatgagtaaa	taaaaataaa	9780
gcaattatgt	cattagctta	aaattttatc	atcattaaaa	ataaaaagtt	taaaaacaaa	9840
tacttaatgt	aacaatttat	caccgcgcaa	tttgactca	cgacaatgtg	tgggtgttgt	9900



ctccttccta	tccctcccca	cctcccga	gggctgggga	cagcaggtgt	gtccttggtta	2460
gttccatcca	gctcagcttt	ggctggggag	ctaatttcac	tggagccagg	ctaagcatta	2520
gggtaagtat	ttgtcctgtc	ttgggcagtt	tcctcactga	aaaatgaggg	cagagttcta	2580
agccctcctc	taattctaaa	attctaatta	aaacgtcgcg	agactagtgg	tgcatgcctg	2640
taatccagc	tactcgggag	gctgaggcag	gagaatcgct	tgaacctggg	aagtggagggt	2700
tgccgtgagc	cgagatcggt	tcattgcact	ccagcctggc	aacaagaggg	aaactccatc	2760
tcaaaagaga	agaaaaaaa	aatcaccaga	ctaataattta	ccttgagaat	ccttcttcat	2820
cttcttgtaa	tgaccttcgg	tgacaacata	tctgttttag	aagaaaacgc	aattaagatt	2880
atctatgaca	acaaccacca	tctccaaatc	tgtattgatt	cctttttattc	attataagtc	2940
tcatgtacct	gatgaggtaa	ctttttttgaa	gacaggaatt	gtatgctgtg	taacactgct	3000
ttgattcttc	catagttcag	tcatecttgc	tatcttgccg	gggattgggt	ctaggatacc	3060
gccccacac	cataccagaa	tctgtggatg	ctcaatccct	tacataaat	ggtgtaatat	3120
ttgcttataa	ccaacacgca	tcccccttat	actttatttta	cttagcgaca	ggattggcct	3180
ctgttgctta	cgctggagtg	cagtgtcatc	ctctgtttact	caggatggag	tgccggtgtca	3240
cgatcacagc	tcactgtagc	ctcaacctcc	tgggctccag	tgatccgccc	acctcagcct	3300
cttgagtagc	tgagactaca	gggtgcatact	accacacctg	gctatttttt	ttttaatttt	3360
taataaagac	aaggtctcac	tatgctgccc	aggttgccct	cccaatgtgt	tgaggattaca	3420
agtgtgagcc	accatgcctg	gccccatgta	atttaagtca	tcactaataa	aatgtataca	3480
tattgtacat	tgttgacagt	tgttatatattg	tactttctgt	ttgtattttt	attgggtttt	3540
ttttcttcaa	atattcagcc	tgatctagtt	gaatctgaag	atgtggacct	gctgatgaag	3600
agggctgact	gtatcttaact	tagggctcttg	ctgcagctg	gcacttaata	cattttattg	3660
actgttttag	ataacattca	acagataatt	cctaataaaa	actcttaaaa	gtaggagaaa	3720
aaggaaacct	gagtccttcc	tctgaagtgg	caggaaaacc	agcctgggca	acatagcaag	3780
accttgcttc	tacgaacaca	ttttttaaat	tagctgcctg	cctgtagtcc	cagccactca	3840
ggaagctgag	gcaggaggat	cccttaagcc	caggagtgtg	atgttacagt	gagctaggtc	3900
acaccattgc	tctccagcct	gggtgacaac	aaggccctga	gaagggaaaa	aaaaggaaaag	3960
gaaaggaaaag	gaaaaaggaa	aaggggaaaag	aaggaaaagag	tagaagtatt	ggaaaaggaaag	4020
agacaaaact	atcattatatt	gcataattaaa	tgataaatgt	tagccaaaaga	agcctaagag	4080
aatcaactaa	gatttttactg	gaagtaattga	gaattcaata	cagtggctat	ctacaaaaatc	4140
aagaaatcag	cacacaaacc	tcaaataactt	ttcccattgta	ccaccaataa	ctaatttagaa	4200
aatggaagaa	agatcccatt	tacaatggca	atacaaatgt	atgaagaatt	taggaacaaa	4260
aatacaaaaga	tcttttatct	aacaaaagat	gtataagatc	tatatatgga	aacactaaag	4320
ctcttctgaa	agacattaac	aagaaatgaa	tacatgacat	gagatagcac	gttcctagaa	4380
tgctgtacag	atgtaaattc	tcaaattaat	ctacaaattt	aacgtaatcc	tattcaaatc	4440
ccaagatagt	ttttgggtgg	ggctgttttt	aagacagggc	ctagctgtgt	tgcccagggt	4500
agagtgcagt	ggtacgacca	cagctcactg	catcctcgac	ctcccagggt	caagcgatcc	4560
tcccacttca	gcctctgaag	tctctcatat	ggtgtccaag	aaatggtgac	aaatctcaca	4620
aaggggaccag	gctcagcagg	gctggaatat	tcaggggaag	tgtaagaag	aaagatgaac	4680
ttgagttggc	ttttgagaga	tgcataggac	tcccacaggc	agagtgaat	aagggcattt	4740
tagatggaca	aacacacaga	caaaagcaga	aatgtgggtg	gtgtgactgg	ggtttgggtga	4800
ggggctgctg	tggtctggaat	ggagggctgc	cacaataatg	gaaatggtaa	atgaggcaag	4860
taaggttgga	ctggtagcat	agcgtcaagg	ttgccagctt	tattaaatca	ctcttccaat	4920
atgctagcac	tggtctgttg	ggaaaagtaa	tacatcatgt	aatcgaacaa	aagacagagg	4980
caagctccag	gaatgggcac	tgtaaacagg	acttgtccca	gagtagccag	atgtaggctt	5040
taggtaagtt	gatgcaagct	gagcatctct	aatctgaggg	ggaatgtctc	acatgggtgtc	5100
caagaaaatgg	tgacacatct	cacagaggggt	ataggctcag	gagggctaga	gtatgagacg	5160
ttcctcctca	ccagtgaact	taaaaatgtg	gccaaaattt	tttgtaaaaag	atggctactc	5220
tgtagtgctt	taactggacc	tatttagaca	atgccttaca	cactggagga	tgatactgtg	5280
taaatctaata	aagtctacaa	gacaatacgt	atgtctttttg	gctctctcct	tcctctccag	5340
ggtgatgaca	actccgtgag	ggtggagatt	atacctctct	catcattttca	gcaacaagga	5400
aataaatttag	tggcagagta	aggggtgactt	gatgagtaca	tccaattgtt	gacatagttt	5460
tgggtgggag	aaattttgct	attatatcga	cttcttaaaa	tagtctagtgt	ggattcactt	5520
ggtttcaatt	cacagagatc	tgaaagcgag	gatccttttaa	aaatcctgaa	atatacactg	5580
caataaaaaga	acaaagcata	cacctcagcc	ttaaatgact	gaagaagtat	gtcaagtagc	5640
agcaggtggg	aaagtggctt	tggtttttcag	tttgtgagct	ctgaatccac	acaaagacag	5700
gactgcattc	tgaaaacctg	aattaattat	tgtcctttacc	acaatgaggc	agaaaagtat	5760
aatcaaaatc	gttagtattc	cagtaacaat	taatgccaaag	atgagtttgt	cagtatagcc	5820
atatacctgga	acttcttttt	tgagctaaaa	aaaaaaaacac	acaaaaaaaa	aaccagaatg	5880
agagctaact	attcaaaacc	ccagtatttc	aggtgagtag	ctgacaggtt	ctttttttatt	5940
tttttgaaag	aggtgtcac	tctgtcaccc	aggttggtg	accgtgggtg	aatcaccgtt	6000
cactagactc	gacctccctg	ggctcaggtg	atcctccac	ctcagccttc	caagtagctg	6060

ggactacagg	cacgtgtcat	caaccagct	aattttctta	ttttttgtgg	agacaggctt	6120
tcactatggt	ggccaagctg	gtctcaaact	cctgacttca	agtaatccac	ccaccttcgc	6180
ctcccaaagt	gctgagatta	caggcgtgag	ctaccacccc	cggcctacag	ttcatcttgt	6240
gccctaattc	atttctctct	ctacatgagc	aaagtgggag	atcactgtca	tgaccaaagt	6300
tacatggcca	agataagcta	tggcctggga	gtcccagact	cttctgtgtg	ggcactttcc	6360
tgggatatgc	taaatgatgg	gaaatctggg	tctcatgttt	ctgtgtgggtc	ctcacctcaa	6420
gcgactttct	tttctgttca	ctctgggctt	ctgtgtctct	attaatgtag	ttctcaatct	6480
tccattgggtc	cgtatcccat	tctatcttgg	atgcctttac	ttcctgctgc	ccactgagaa	6540
gcttcatcag	gtggcctgtc	ctggagatga	gcttggcaca	ggtcacttgc	acatgggccc	6600
cagagcagtc	catcttcaag	gtccggataa	catgagcaat	gagccttctc	acattgttgt	6660
tggggataag	ggactgtagc	tgtctgggta	gctgaatttc	aaactgatca	cctggggacg	6720
agagcaatgg	gtaattgaag	cttttgggct	cgggggacag	gtcagtgcc	acgttgttgt	6780
attcccat	tgtctcagtt	tgtttaacag	ttggccctaa	gttgaatgca	gtcccagcgg	6840
aatctgcctc	aggaggatga	ttgtagtgtt	tgttttcaga	gatggttcct	tctggcatgt	6900
tagtgttttc	cataaaatca	ttttcttcaa	aggcatttct	tgcagtgtgt	tgttttgtat	6960
tattcttctc	tataaaatgt	tctgaaagag	cagatacttc	cagaaaaggg	ttttcttgag	7020
gactcaggtc	tcctaaggat	gaaaaagccc	cttgtgaagg	ggaatttatg	aggctcttcg	7080
ctgcagagaa	tgggaagcctg	tttgcgagca	tcagtctact	cagataaact	ttctttctga	7140
ccttttgact	ctttttgact	ttggttgttc	tgtgggtcac	gtgggagcga	gttttgtgaa	7200
agcggatatt	ttttctggga	tgtacgattg	gtttagacgt	cttcgtattt	gtaactctag	7260
cctttgcact	ttctaaaatg	gaaatagcgt	gggttaagtc	tttcgatctg	tctctcact	7320
gtggtagggc	ttttgcaggg	ctggaggtgt	aaggcgccgc	cttggagaag	ggtttcagca	7380
cagagactgc	tgccttatgc	tcttggttga	acgaaggctt	ggtgtagacg	gcgtttcccg	7440
ctaacttctc	aggcccttgc	tgtgtgtggg	gctgttccac	ctcccttggg	gctggactcg	7500
tgagcctttt	ttcttcggca	gcgttctcca	cagatgcctg	ggcaccctgt	tccctcctga	7560
tgtctgtcct	tcctacctct	ttgaagtgcc	ttttctggat	gctccttggg	cccatgagga	7620
ctctcttcac	tctctgccgg	ttttggccta	cagtttgaat	ctttgccagg	ctgtttcctg	7680
tggttggcag	tttaatgaac	ggtagtaaca	gtgatttcac	atctagggtt	accgctgaga	7740
aataaggcaa	gatgtaactt	agtgtactga	taaaatcact	ctcgtcattg	gtgtctagct	7800
gctcactccc	aaagcctgac	aagtgtatgc	cactgctgtc	tgagggtctc	tctggctcaa	7860
caatcagctc	agtgccttgt	tagttcttcc	gggcttgtaa	caccttcatt	aacgctcctt	7920
ctggattccc	taccgatgct	tcttcagctg	tcaaaaaaga	agagactgct	ttgatcatga	7980
aagatgatgg	gatgggatgc	atcagtccat	agctgtacac	cccagtcaca	cagagtagga	8040
gtcagcaaac	attcgagtgc	cattcagaga	ggagaaacac	acaccaatc	ctaaacctat	8100
gaaatggcaa	caacaaaagg	agaaaataca	tcttttgaaa	acacggccac	ctacttggaa	8160
cattccatag	tgtgacatag	agtaactctg	tttaggatta	tttcgttgat	ccccagaggc	8220
caattgcccc	gtgctcagtc	aaagcccaag	gtggaagaca	agtgcctccc	tgatgagctg	8280
gcctctctgc	agactgtctc	gtaccctgtg	ctgtcctgcc	tcagatgcag	agagagcaca	8340
aggctcctgc	tctcctcgct	ctcgggtcac	ctgtgttcgt	gctaccatca	cagctgaatg	8400
caatgaaagg	cggtcctctg	agaggagcag	gggtggagatg	ctaaagtggg	ggccccgtcc	8460
cattgctgat	agatcctcat	ctggcatgcg	ctccaccctc	cccattctct	gctcccacgt	8520
atcgtagccc	catcacagaa	gatgcgacat	ggaaaaacgc	actgtgtcca	ccctagtctt	8580
taaatttggg	cagggatttg	gggtgtatgt	taagagtttt	tcaaatttgc	cagattgtat	8640
gcctatggtg	ttaaatacac	aatgaatccc	tggatgata	gcagtttctg	gataaacatt	8700
acttgaggtc	ctaaaatgca	gaagggaata	agcaactttt	gtcagatgcc	tactttgctt	8760
tcatttccat	tctaataatt	tggatgggga	atcatccaaa	gcttctgact	gcatgaaggt	8820
caggtgtgcc	agtgtgcagc	tgggtttctt	ttctggaatt	aaaagtactt	tgggtggtgg	8880
tgagggtcag	aggaagaagt	aaagattgtg	agaaagggga	agaaacatgg	gcttggggag	8940
aaccagaat	tggggccaga	agacctggca	ctaggctaca	gcacttagca	cctctgatct	9000
tgtttttcct	catctgtaaa	aggaggttaa	caaagctttt	ctgcccactt	cttggggaga	9060
agggaataac	ataattggta	aaaaaaaaaa	aaaaaaaaaa	gttttgaaaa	ataagcaaca	9120
ctgactttat	gtaaccaagc	attattaatt	ctccacccca	tatcactggg	agatacctgt	9180
attcaagcta	tctggacatg	aaagcagtca	catttttagaa	gtcatgaagt	tgatgctaatt	9240
aagcctaate	tacagaaaca	ctcttgaaag	cccttgagcg	tttgttctgt	gaacagaaag	9300
gttttagagt	cggagcaagt	tcagagtgtg	atgggtctaag	aatggaaaag	ccctccattc	9360
cattagaaga	gccaggtagc	aatttctggg	tatggaacca	gaagctctca	ggcttcaaat	9420
aaaacagcat	cacttgtact	cttataaaac	tgtaaaaaaca	gaaagaccac	aaccgtatct	9480
acatctgtcc	tataaggcag	agagtacttg	agatctcatg	gattttaaacc	cagcttacaa	9540
actacattgc	actatatgaa	gaaattatca	ctgtgggcaa	agcatcaagc	agagagcaca	9600
gtatacagtg	tgtggatggt	aatgttatct	cctagccttc	ccattccttt	gtcttgggtc	9660
tttctgcata	tggaacagtt	ctattattaa	attttghtaat	agtaactgag	aacctgactt	9720

tcagcaaggg	agtagttcgg	aaattgaggg	agtttaactc	tgaatgagta	aataaaaaata	9780
aagcaattat	gtcattagct	taaaatttta	tcattcattaa	aaataaaaaag	tttaaaaaaca	9840
aataacttaat	gtaacaattt	atcaccgcgc	aatttggact	cacgacaatg	tgtggtggtt	9900
gtcagacatg	cactgttgca	atgcagcttg	actgtcttgc	agacagcctc	aatgctgttt	9960
ttaaattggc	agagggcagca	ggccatatgg	ctaggtaaga	tcctatagat	gaaaacagag	10020
agcaataaat	tagcggtaaa	gcgggttactt	gagtaggtaa	aggagggcagc	caacgctacc	10080
acagg						10085

<210> 9107  
 <211> 4377  
 <212> DNA  
 <213> Homo sapiens

<400> 9107						
tctcaccccc	tcttcatttt	agatggggacc	tgtgaggggct	ccgtcatttta	cccaggggtcc	60
ctgttgagga	tctcgctctc	attagatgac	ttcttgtgca	gcttccatgc	gtgattatatt	120
actcttgtgg	cactgagagg	tttgtacata	tctttaagcc	agagcggccg	tctgaatgaa	180
aaaagtccat	cctagaagat	agaaagggaa	ataactaattt	tgcatgtcct	ctgccttccc	240
tggccacagc	aattgaatcct	ccaatgtacc	tgactctccc	ttcgtgaaga	gcattctcctc	300
cgtggcagaa	acctgaaaat	gcccctgggg	agacacatgc	acaagacagt	gagtgtatgca	360
gccatttccc	acgtatctca	caatgtactt	ctctggtctt	actaggacta	aatgagtatc	420
tcagtccata	atcacagggg	gaagaaccac	cacagaccac	atacctgggg	tcttgaaaaat	480
aattccatgc	atgtgggact	ttcagaagct	ctcccatgtc	tgtccagaag	ggccccacaa	540
tataatgggg	ggactttgta	tgtggctcag	catggagcag	gggcaggatg	ttcagtccca	600
ctcactccct	tggccaagtg	cccttgtgca	gtgaacaaac	tgcacaacca	tgctgggcgg	660
aagcatttta	tatcagtccc	ctttggactt	agtctcacag	gcattcatttg	atgggggggt	720
gggagatgaa	gtggttcttc	cttttctaga	tactttattc	tataagttgg	atcacctcaa	780
gcaaatgtct	gagtgacagt	agccaagtct	tctatctcag	tcttcatacg	gctggctgtc	840
gctgatgagt	gagtgagcta	cgaaatcagc	ttaaagcaca	acatgttatt	tttgaatttg	900
aataaaatag	gaaaaggcag	agtgcattgt	gtgaccatgg	ggtaagacac	tctccctttc	960
tccttctcag	ttttcctgtc	ataaaaggac	aaactactat	ctaagggtctc	cgtagttaaa	1020
attctttttt	gttgtttttt	ttatttgaga	cagtttggct	cattccccag	gctggagtgc	1080
aatggtgcta	tcttggctcc	ctgcaacctg	tgctcctctg	gttcaagcag	ttctcctgcc	1140
tcagcctccc	aagtagctgg	gattacaggc	ctgcgccacc	acaccagct	aatttagtat	1200
ttttagtaga	gatgggggtt	caccatgttg	gtcaggctgg	tcacgagctc	ctaacctcaa	1260
gtgatcccaa	agtgtctgtg	ttacaggcgt	gagccatcct	gcctggcctt	tctggttaaa	1320
attctgtgag	gtttgcctaa	aaggaataga	gtagggacac	aaaaaccagt	aagatgagaa	1380
aatagtgttt	cctcagttct	aggatccagg	ggaaaaaata	aataaataaa	agagaaaaata	1440
ctgtttcctg	ccacttaaga	ggaaggactc	acatatccta	ccttccatca	gccttgaagg	1500
agacaagtgc	cctctctctc	acacccggtg	gccttccctt	cccccttccc	agagcctcca	1560
agaaggcccc	tggcctgcct	gatgcccacc	atcagcagca	ataggcacca	aaacctttct	1620
ccttccctatc	cctccccacc	tcccgaagg	gctggggaca	gcaggtgtgt	ccttgttagt	1680
tccatccagc	tcagcttttg	ctggggagct	aatttctactg	gagccaggct	aagcattagg	1740
gtaagtaagt	atttgtcctg	tcttgggcag	tttctcact	gaaaaatgag	ggcagagttc	1800
taagccctcc	tctaattcta	aaattctaat	taaaacgtcg	cgagactagt	ggtggtgcat	1860
gcctgtaatc	ccagctactc	gggaggctga	ggcaggagaa	tcgcttgaac	ctggtaagtg	1920
gaggttgccg	tgagccgaga	tcgcgtcatt	gcactccagc	ctggcaacaa	gagggaaact	1980
ccgtctgaaa	agaaaagaaa	aaaaaaaaatc	accagactaa	tatttacctt	gagaatcctt	2040
cttcatcttc	ttgtaatgac	ttcggtgaca	acacatctgt	tttagaagaa	aacgcaatta	2100
agattatcta	tgacaacaac	caccatctcc	aaatctgtat	tgattcattt	tattcattat	2160
aagtctcatc	tacctgatga	ggtaactttt	ttgaagacag	gaattgcata	ctgtgtaaca	2220
ctgctttgat	tcttccatag	ttcagtcatc	cttgctatct	tgccggggat	tggttctagg	2280
ataccgcccc	cacaccatac	cagaatctgt	ggatgctcaa	tcccttacac	ataatggtgt	2340
agtatttgc	tataaccaac	acgcateccc	cctatacttt	atttacttag	cgacaggatt	2400
gcctctgtgt	gtttacgctg	gagtgacgtg	tcatactctg	ttactcagga	tggagtgcgg	2460
tgtcatgatc	acagctcact	gtagcctcaa	cctcctgggg	tccagtgatc	cgccccctc	2520
agcctcttga	gtagctgaga	ctacagggtgc	atactaccac	acctggctat	tttttttttt	2580
aattttta	aaagacaagg	tctcactatg	ctgcccaggt	tggcctccca	atgtgttggg	2640
attacaagtg	tgagccacca	tgcctggccc	catgtaattt	aagtcacac	taataaaatg	2700
tatacatatt	gtacagtgg	gacagttggt	atattgtact	ttctgtttgt	atttttattg	2760

tttttttttc	ttcaaatatt	cagcctgata	tagttgaatc	tgaagatgtg	gacctgctga	2820
tgaagagggc	tgactgtatc	taacttaggg	tcttgcatgc	agctggcact	taatacatTT	2880
tattgactgt	tttagataac	attcaacaga	taatttcctaa	taaaaactct	taaaagtagg	2940
agaaaaagga	aacctgagtc	cttcctctga	agtggcagga	aaactagcct	gggcaacata	3000
gcaagacctt	gtctctacaa	acacattttt	taaattagct	gcctgcctgt	agtcccagcc	3060
actcaggaag	ctgaggcagg	aggatccctt	aagcccagga	gtttgatgtt	acagttagct	3120
aggtcacacc	attgctctcc	agcctgggtg	acaacaaggc	cctgagaagg	gaaaaaaaaa	3180
gaaaggaaa	gaaaggaaaa	aggaaaaggg	aaaggaagga	aagagtagaa	gtattggaaa	3240
ggaagagaca	aaactatcat	tattttgcata	ttaaataaaa	aatgttagcc	aaagaagcct	3300
aagagaatca	actaagattt	tactggaagt	aatgagaatt	caatacagtg	gctatctaca	3360
aaatcaagaa	atcagcacac	aaacctcaaa	tacttttccc	atgtaccacc	aataactaat	3420
tagaaaaatg	aagaaagatc	ccattttacaa	tggcaataca	aatgtatgaa	gaatttagga	3480
acaaaaatac	aaagatcttt	tatctaataa	aagatgtgta	agatctatat	atggaaacac	3540
taaagctctt	ctgaaagaca	ttaacaagaa	atgaatacat	gacatgagat	agcacgttcc	3600
tagaatgttc	tacagatgta	aattctcaaa	ttaatctaca	aatttaacat	aatcctattc	3660
aaatcccaag	atagtttttg	gtggtgggtg	tttttaagac	agggcctcgc	tgtgttgccc	3720
aggctagagt	gcagtgggtc	gaccacagct	tactgcattc	tcgacctccc	aggctcaagc	3780
gacccctcca	cttcagcctc	tgaagtctct	catatgggtg	ccaagaaatg	gtgacaaatc	3840
tcacaaaggg	actaggctca	gcagggctgg	aatattcagg	gaagggtgtc	agaagaaaga	3900
tgaacttgag	ttggcttttg	agagatgcac	aggactccca	caggcagagt	gaaataaggg	3960
cattttagat	ggacaaacac	acagacaaaa	gcagaaatgt	gggtgggtgt	actggggtat	4020
ggtgaggggc	tgctgtgggt	ggaatggagg	gctgccacaa	taatggaaat	ggtaaatgag	4080
gcaaataagg	ttggactggg	ggcatagcgt	caagggtgcc	agctttatta	aatcactctt	4140
ccaatatgct	agcactggcc	tgttgggaaa	actaatatat	catgtaatcg	aacaaaagac	4200
aaacagaggg	aagctccagt	aattgtcact	gtaaacagga	cttgccccac	agtagccaga	4260
tgtaggcttt	agataagttg	atgcaggctg	agcatctcta	ttctgagggg	gaatgtctca	4320
cgtgctctcc	aacaaatcct	gacacctctc	acaaacgctc	taggctcccc	agggcta	4377

<210> 9108  
 <211> 1562  
 <212> DNA  
 <213> Homo sapiens

<400> 9108						
ttttattttg	tcacccaggc	tgaataacag	tggcaaaatt	atacctcaat	gcagcctcaa	60
ccccctggg	ctcaagggat	cctccaaatt	cagcctcctg	agtagctggg	agtataggct	120
tgcaccacca	tgcccagcta	atTTTTTTTT	TTTTTTTgta	cttttgtatt	ttcagtagtg	180
acagattttc	cccatgttgc	tcagactggg	gtagaactcc	tgggctcaag	caatcctccc	240
acctcggcct	tccaaagtgc	tgggattaca	agtgggagcc	actgtagcca	gcaaaataat	300
tacaatggag	agacctggaa	gatcacctta	gtcaagtgat	caaacttagt	attacaggcc	360
atctgcggtt	acgaggcagg	aaggatacat	cacctatgca	gtatttttcc	caaaaatgct	420
taacttgaat	ttcatcatga	ggaaacagac	aaatctggat	tgtgggacaa	tttacaagac	480
aactatcttt	gactcttaaa	aaatgccagt	gtcatgaaag	atcaaagaaa	gtagaggcat	540
gttttagatt	aaaggaaaat	aagacatgac	atgcagtgcc	tgatctttga	ttggattctg	600
tactattctt	tcactcttct	ggcttggttg	aattttttcc	aatacgtaaa	tttgggcaaa	660
agaggtgacc	gagacaattg	attaatttat	tgttggtggc	tattgggggc	actttcagag	720
agataaaaa	aatccctgta	actgaagtta	aaggttaatc	ttaggcagta	tagcatggtc	780
attaagaata	cagattccat	agccagacta	tgcttcaatc	tcagctctgc	taataatgtg	840
aatttgggca	aattgtttta	tctctgttcc	ttggccttgt	cattataata	gtacctacct	900
ctaataaatt	ttgaggatca	aatgaatcaa	tacctgaaaa	atgcctgggt	cacagttagt	960
gctcaataag	agtttaactat	aattattgtg	ttgcagaggt	tgtggggggc	cttttctgag	1020
tcctccaaaa	ggatggcttt	attggggcca	tattaagact	atgaaaacag	aagagggttt	1080
catggataca	agaagtctgt	gagttggggg	tacaatgtat	agagtttttag	attaaaactg	1140
catccaataa	gttggcctga	gacatctttc	aaacctataa	aggaacaatc	acaagtgact	1200
agtagtattc	ctttgggtcc	agtgggaagc	tctgatcttc	atatgggaat	gacccggaac	1260
cgtaaccag	cattttgttg	tatagcaacc	ttacctctgc	cacaaagggt	tttcttttgt	1320
ttattttgag	gccgggtctc	gctctgttac	acaggctgag	tgagtggttg	caatcttggc	1380
tcactgcagc	ctctgtctcc	tgtgtctcaag	tgatcctccc	acctcagcct	cctgagtacc	1440
tagaactaca	ggtgtgtgcc	accacacctg	gctaattttt	gtatattttg	tagaaatggg	1500
gtttcaccat	gtgtgtccagg	ctggtctcga	actcctgggc	acaagcaacc	ctctctcttt	1560

gg

1562

<210> 9109  
<211> 992  
<212> DNA  
<213> Homo sapiens

<400> 9109  
taattgccta tataacaacc ttttttggtt gaaatatcta gagtaatttc tgttttccta 60  
tctggggtag tgtaacataa gaagaaatat atatttggtc tctgccccca gttcctaaca 120  
caaagctcct aaaacccttg gaaattcctg aatgatggcg gtgctaagag cattgtcctt 180  
tggttaattta tcatttttct tttctcctag gtgttttttc ctttttaaac tttcttttta 240  
ggttaggggg tacatatgca cgttcgttat atagctaaac ttgtgtcatg ggggtttggt 300  
gtacagatta tttcatcacc caggtaacca gcctagtacc caatagtttt ttctgtcctt 360  
ctccctcttc ccaccctcca ccctcaggta gggcccagtg tctgttggtt atgagttctc 420  
atcatttttg tcccacttaa aagaacatac agtatttggt tttctgttcc tgtcttagtt 480  
tgctgaggat aatggcctct agctccatct gtgttcctgc aaaagacatg atctcgctgt 540  
tttttatggt tgcacatctt ttgtttctaac atttggtcct taaacctggt tctgacaca 600  
gagctcctaa atcccttgga attttctggg tgatagaagc gtcctttggt ctcatgaggt 660  
gactcttggt gggctcctta tttggggact ggtcaccaaa aagacctatg gttggaagcg 720  
ttgtgtgtgc agcccccttc cccatcctct ggcgtgggga gtagagctgg agctcaatca 780  
tgccctacgtg ataaagcctc cagaaaactc cttaaaagac aggacttgga gagcttccgg 840  
gttggcgaac acatccatgt tccaggagag tgggtgcacc caactccaca aggacccttc 900  
caaacctcac cctgtgtatc tcttcaactg gcttcatcat ttgtgtcctt taaaatatcc 960  
tttgtaataa atcagcacta gtaagaaaac tg 992

<210> 9110  
<211> 261  
<212> DNA  
<213> Homo sapiens

<400> 9110  
gcatggcagt gagtatggta tgcctagaat aaagatgggt gggattagaa ttgggtgaca 60  
gtgattagta gtttcagaag tatctcttcc caattcaaaa gtctcacttt gggctgaaag 120  
tacagaggaa gaaggtagac ttttaagaag tctgaataag cccccaactt ctggagtccc 180  
tttctcaatt cctgttggga gtgggaaata ttataaatta ctctgggcat taaaaatagt 240  
ttaacctgga ttgcggagtt a 261

<210> 9111  
<211> 2269  
<212> DNA  
<213> Homo sapiens

<400> 9111  
ggccgggcat ggtggtgggt gcctgtaat ccagctattc gggaggctga ggcaggagaa 60  
tacttgaaac ctggaaggca gaggttgcag tcaaccgaga tcacgtgct gactccagc 120  
ctgggtgaca gagactgtct ccaaaaacaa acaaacaaac aaaacacaaa aaaaaccca 180  
aaacccaaaa caagccaggc gcggtagctc gcacctgtaa tctcagccct ttgggaggcc 240  
agggcgggtg gattacctga ggtcaggagt tccagaccag cctgaccaac atggtgaaac 300  
cccatctcta ctaaaaatac aaaaattagc cgggcatggt ggtgcatgcc tgaaccca 360  
gctactaggg aggctgaggc aggagacttg ctgaaacca ggaggcggag gatgcagtga 420  
gctgagatcg tgccattgca ttccagactg agcaacaaga gcaaaactcc accttaaaag 480  
aaaaaaaaaa agaaaaaaaa acaaacaaaa ctctgaatt tcctgtgga taccttttct 540  
ctggcagcct ttttcaatga gggctaagtt ttctccaata ctatatggcc tgcagaccgc 600  
tcagctttca ttccagtga aacattccag aaaaaactct gaatcaatcc cagggtgttc 660  
tccaatcagc tcaggatgat tgtgtgttac ctgctgccc gccagtgaca cctctccagg 720  
cctctgactt agctaggtct ccaccatgtg actccaccat agactcccca cttcttctt 780  
ttgcaaagcc tcagacaccc aaacacctac caaaagtggg tagggcacca ggacactcca 840



agtgtgaagtg	gggctctcca	gcacacctgg	atgtggaggt	gtgatgcaga	gtgggtggctg	900
ctcgtgacac	tcatttcacc	cctttctgtg	caggtgccag	aagcccagga	agcacacatc	960
aaggctcact	tgccagcggg	gtgctgccaa	taaaatgtag	tcacgtggaa	tttggaaatgt	1020
ggaaaggagg	tagaagtcag	cctttcctcc	cccatagcag	caggtgtgca	ggctctgggtg	1080
gtcagctgga	ctccatactc	ccccaccagt	caccagcctg	gggaccgtgg	ggctgcaagg	1140
acctcagcag	cgggtttccca	agtttctctga	cttcttccat	cctctggaaa	tcagctgtgg	1200
taaagtagcc	tgaaagccag	tggtgcaacc	ccatccccac	aaccttcacc	acctctagca	1260
cctccagtga	taagcactaa	ttgcctatat	acaacccttt	tttgtttgaa	atatctagag	1320
taattttctgt	tttcctatct	ggggtagtgt	aacataagaa	gaaatatata	tttgggtctct	1380
gaccccagtt	cctaacacaa	agctcctaaa	acccttgga	attcctgaat	gatggcgggtg	1440
ctaagagcat	tgctcctttgt	taatttatca	tttttctttt	ctcctagggtg	tttttctctt	1500
tttaaaccttt	ccttttaggt	taggggggtac	atatgcacgt	tcgttatata	gctaaacttg	1560
tgctcatgggg	gtttggtgta	cagattattt	catcacccag	gtaccaagcc	tagtacccaa	1620
tagtttttttc	tgctcctctc	cctcctccca	ccctccaccc	tcaggtaggg	cccagtggtct	1680
gttgttttatg	agttctcatc	attttgctcc	cacttaaaag	aacatacagt	atttggtttt	1740
ctgttctctgt	cctagtttgc	tgaggataat	ggcctctagc	tccatctgtg	ttcctgcaaa	1800
agacatgatc	tcgctgtttt	ttatggttgc	acatcttttg	ttctaacatt	tggtccttaa	1860
acctgggttc	tgacacagag	ctcctaaatc	ccttggaatt	ttctgggtga	tagaagcgtc	1920
ccttggttctc	atgaggtgac	tcttggtggg	ctccttattt	ggggactggg	caccaaaaaag	1980
acctatgggt	ggaagcggtg	tgctgtcagc	cccattcccc	atcctctggc	gtggggagta	2040
gagctggagc	tcaatcatgc	ctacgtgata	aagcctccag	aaaactcctt	aaaagacagg	2100
acttggagag	cttcgggggt	ggcgaacaca	tcagtgttcc	aggagagtgg	tgacacccaa	2160
ctccacaagg	acccttccaa	acctcaccct	gtgtatctct	tcaactgggt	tcattcatttg	2220
tgctccttaa	aatatccttt	gtaataaatc	agcactagta	agaaaactg		2269

<210> 9112  
 <211> 2736  
 <212> DNA  
 <213> Homo sapiens

<400> 9112						
gccaccatgc	ccggcctaga	ttaaaaattt	gaagacatat	tctctactat	gagccaatga	60
aattactcat	tttgtttcta	tcccatttgc	tgctcccttgc	ttttggaatt	ttgtgtctta	120
gtgtgactgt	gattctttct	ctccttttgc	ctttcagcaa	acggggattc	agcgtccgat	180
ccttttgaac	agggactcac	gtgaagcttc	caggaccagc	tcccagacaag	cccaatgttt	240
atgatttcaa	aaccacatat	gaccagatgt	acaatgatct	tcttaggaaa	gacaaagaac	300
tgtatcccag	cgggttgccc	tttaaaaaacc	ccccgtgtgg	tcctccctgg	aaggtgttac	360
gtgtggctcg	ggcacaggag	gcgtgtcacc	ctgtgcagtg	cacacactgg	ctcctctgtc	420
tttgcgagag	ccttggtttct	attcctgggtg	cacgtcggat	cgtccacggg	ttagtccag	480
tgccacccat	ggcagtaggc	gtgggtaggc	gcacagacac	gggtgtgggg	tcacctgtac	540
gtggttcagc	agagggtcgt	gacatagcgt	agaccaggga	tgcttaggtg	aggaggtgga	600
accacacaaa	tcccattgct	tttcacactg	cagggtgtgc	ccgttatctt	ccttgccaggt	660
tggtgtgcgt	gcgtgtgtgc	gtgcgtgcct	gatacacatg	gagccgggct	gcttcacaca	720
tctgggtgag	tcgttagaag	gtcagataaa	gaagagggcg	gagcttgcta	accaagctgt	780
tagaagaaat	aatgggagag	aacattcctt	catttcagga	ggacacagag	caggctaggt	840
ctgccgcgaa	gactcctata	gagagaagag	tattcttaaa	ctagattctg	atggacgcaa	900
caccagttgc	ataatgggta	tgacaatcag	tgcccgggtt	tttgaccagg	catttcattgg	960
tcaccccac	gctaattgaa	agtttctgga	tcttattttg	ttatagttag	tgattttag	1020
ttttcagaac	ggaggccagg	ccaaacgtat	tccaaatgaa	aagagaatag	gtgtcaaattg	1080
ctaaaccttt	tatcttcgtg	ttggcactgt	tgccatcccc	gccctctccc	gacatccccg	1140
cccttgacca	gcattctctg	ccttgcccag	cattgtctat	gtattggcac	tcttgccatc	1200
cccgcctttt	cccagcagag	tctcactgtg	tcaccccggc	tgaggtgcag	tgccgagatc	1260
ttggctcact	gcagactcac	tgcaacatcc	acctccccgg	ttccagtgat	tctcctgctt	1320
cagcctcctg	ggtagctggg	attacaggca	cgcgccacca	cacctggcta	atttttgtat	1380
tttttagtagt	cacagggttt	caccatgttg	gccaggctgg	tcttaaaactc	ctgactttcag	1440
gtgatccacc	ctcctcgtcc	tcccaaagtg	ctgggattac	aggcgtgagc	caccatgctc	1500
agccctactc	ttgtattttt	tttttttttt	tttttttgag	atggagttag	agtctcacc	1560
tggtgcccac	gggtggagtgt	agcgggttga	tctcagctca	ctgcaacctc	ccccctccaa	1620
gttcaagcga	ttctctgcct	cagcctcccc	aatagctggg	attacaggca	tccgctgtca	1680
tgctgtggcta	atttttgtat	tttttagtaga	gacgggggtt	tcaccatctt	gaccaaactg	1740



gtcttgaact	cttgacctcg	tgatccagct	gcctcggcct	ctcagagtgt	tgggattaca	1800
ggcgtgagcc	accatgcctg	gcctcttgga	atatttaata	agctaaaaaa	ttcttataca	1860
caggtagatt	aattaggtag	ccaggagtg	cccctgaaag	tatgtctggc	aaaacctaga	1920
actgcatcct	agccatcact	gtaccttctg	ccctccctgc	tgtctcctct	gccagttaca	1980
gttaaaaggt	tgtgggtgag	gacgctgggc	agagtcccag	gcgtctgctg	tcagctcccc	2040
agccccggcct	gcctgccgag	ccatctgggc	gtcccacggt	ggagagtgtg	gtgcttgtga	2100
cgcggtgggt	ctgggagcca	tcttggtggc	agatgtgggc	tctcactgca	agtcagtgtg	2160
agtcctccagg	gactgtcacc	agcagctcct	gctgcctctc	tctctgcaga	agccctggta	2220
acctgcgttt	ggaaaaatct	ctaaggattt	ctgaggagct	gtcaggccat	gtccttgtcc	2280
accctgtgtg	gggcacggct	tgcacatggc	tctgtctccg	tcgtgggctg	agaaggagca	2340
ggtggggctg	tgccttgga	aggaggccct	cccgacatgc	ctttgtgcga	ggctccctgtc	2400
catgctgtct	ccatcccga	gccttacggc	gatgggtggc	cacagagcct	attccaagag	2460
tctggtttag	ggctgggtct	tcccatcttc	acctctgagt	cttaggcgat	gcgtgaccac	2520
gcagcccctt	ccaggagtct	ggtttagggc	tgggtcttcc	catcttcacc	tctgagtctt	2580
aggcgggtga	tgaccacgca	gccccctccc	ggagtctggt	ttagggctgc	gtgctcaaga	2640
gtctggtttg	gggctgggtc	tcccacgc	cctggaggag	gcttttgtct	catctcatga	2700
ttcacattaa	actctgtgcc	atgaagctta	gcctga			2736

```
<210> 9113
<211> 277
<212> DNA
<213> Homo sapiens
```

<400> 9113							
ctgtcgc	ccca	ggctggagtg	cagtgggtgct	atctctgctc	actgcaagct	ccgcctcccg	60
ggttcacgc	attctcctgc	ctcagcctcc	cgagtagctg	ggactacagg	tgcccgccac		120
cgcgc	cccgcc	taat	ttttt	ttt	caccgtg	ttagccagga	180
tggtcttgat	ctcctgcctt	catgatccgc	ctgccttc	cat	gatccgcctg	ccttc	240
ccgcctgcct	tgccctccca	aagtctctggg	attaca				277

```
<210> 9114
<211> 5060
<212> DNA
<213> Homo sapiens
```

<400>	9114						
ccgggattcg	ccctccgggg	agcgattggt	cctcgggagg	ggcggggagg	tggacgcggg		60
taccggcggt	cgtcgggtcg	gcagcctttg	gtcagttggc	agcggcaagc	gcgctgcggt		120
tccggtggcg	ccatgtcgtt	ctgcagcttc	ttcgggggcg	aggtttttcca	gaatcacttt		180
gaacctgggt	ggtcctgcgg	cctctcgtcg	ggagggcagc	gcggcggggg	gcgcgcatta		240
gcggggggcg	cgccgtcgtc	cgggggtgat	gtctctccca	agccgggaat	gggggcgaat		300
gtggctgccg	gggagaaagc	aacaggggtc	aaaaggactg	cggaggatgt	gggagcttgg		360
gggcgaggag	agtggggtac	ccgaggagag	ggggccttgg	ggctcacctg	cctggagggg		420
gcaggcctcg	agtgtgaacg	tgccgtttcg	ggggtgggtc	taagggatcg	ggatacgtgg		480
gggtggtacc	ccttccttac	cccctacact	ccaaagtgat	ggcgctgggg	gaattcgggt		540
tagggtcggg	gcttcggaga	ggccagggtc	ttgtccaggg	ccagctcctg	tggccggggc		600
gccccttcgc	gggtcatccc	gcaggtgtta	ccctggccct	tccattccc	ccgagtcagg		660
gatctctggy	aggagtctgg	caagcataga	atgtccctt	cagatcctaa	tgtgccggcc		720
caggtgcctc	cccacttgcg	cagggaactc	aaattgggga	accaggagt	ccaccaggca		780
cctgcccaaca	gcccgtgaag	tttgaccagg	caggcaggat	ggggtgggtt	ggggcatggc		840
cagccctcca	cactggccct	gatgaatccc	ttctgggctg	ggctgcctg	gtagtggact		900
aatttggtaa	aaacacatcc	acaggcaagt	ctgagtgcac	tggctctcct	gggcggatct		960
gctgggtggc	acccctgtag	cgggttgggc	tgtgacacag	gaccatcccg	gcaaagcctc		1020
ccccagcaag	actctctggc	tttagatccc	agttgtcctc	aggctgctct	gccaaagccag		1080
aaactccact	tccacagcag	ctgctggctt	ctctttgctt	ttttctccag	ttcctggaaa		1140
aggctgggta	gtttacagtc	tccaggggag	gctgtcccca	ggtgatgggt	gagaggtgac		1200
tcagcacccc	tggaggtttc	tgttttcagt	ccttaaaaca	gttctgaag	tcagttttgc		1260
aacttttcca	ccccctccac	tccaaaggga	tcctttgtgg	taggctgaag	atctgtttgtc		1320
cccaqccctc	tttcttctcg	ggctcctgtg	tggcctggag	gccttttctc	tgggactggt		1380

ctcttcctgc	ctggagagca	gagcagtgcc	tgggtatcca	gcttagggcc	tcgttgggca	1440
gcagggagga	ccacttgaga	aaggagaggg	accaggtggt	tggggccacat	cagggcccct	1500
gccctctatg	ttcctggggg	aactaggggg	gcgaggggga	gctccgtgtc	ctcattggac	1560
taccaggtt	ccttcacgct	gcacacactt	gtagctgagt	gtctgcatca	ccaagcaaag	1620
atggaaatgt	taggatatgc	cccgtcacgg	ggctatgaga	agaatcaagg	agataattgt	1680
gaaaggtgac	tcccctggtc	tctggcacat	ctactaaacg	tgagctcagc	acagcgcctc	1740
ccgtggcggg	tgcttgggga	aggagcacag	cctaccctcg	gaacgggggc	agcgtgtct	1800
ttgcctgggt	tgggtggattt	gggagcttga	ccccggaaag	gcgggagctg	atgactccac	1860
atttgcctct	ccttccacca	caggcgttta	cgtgtgtgcc	aagtgtggct	atgagctggt	1920
ctccagccgc	tcgaagtatg	cacactcgtc	tccatggccg	gcgttcaccg	agaccattca	1980
cgccgacagc	gtggccaagc	gtccggagca	caatagatct	gaagccttga	aggtgagagg	2040
ccacaggggt	gggggagggg	cgggggcggc	cagggagagc	agagagccag	tcccaccttc	2100
ctccctctgc	ttgccccaca	gctccagggg	cttagaggcg	tctattccag	gcctgttgcc	2160
tctgccaggg	agctgccacc	ccaggctatc	gggagagcct	ggccttctgg	tgcaaattgt	2220
ggaaacagga	caggtttcct	gtacgggctc	caggacaaag	gtcaacctct	tatgtcggcg	2280
gtcagcttgg	gaaataggcg	tgtgggaaga	aacaccatct	gccagcccca	gtaagggcct	2340
tcactgtggc	tgtatcatgg	ccagaagctc	accagctgct	cttgtgatct	ttccaggtgt	2400
cctgtggcaa	gtgtggcaat	gggttggggc	acgagttcct	gaacgacggc	cccaagccgg	2460
ggcagtcctg	attctgaata	ttcagcagct	cgctgaagtt	tgtccctaaa	ggtgagcttg	2520
ctttgcacag	ctggggccag	gcctgttggc	ctttgagccc	aggctggggg	gcccagtggt	2580
tgtgcttgtc	cacttaccat	gacaaggtag	ggggccacca	agtcacgctg	cctgggaact	2640
gtccaggatc	ccccagaaag	gtggctgcag	cgcaggggca	aaggagctgg	tgttccgctt	2700
cctcgcttgg	ttgatcatga	ctgtcccaaa	aaggggcttc	agcgtgagaa	tgtggcaaatt	2760
ggttttcctc	agaggcctgg	cctttcccag	aggctagagt	caggggaggg	gcaggcagag	2820
cctgaggccc	cagtctgtgc	ggctgtgtct	cccactggct	aggactgtgg	ccttgcttct	2880
tagccgctca	gagcctgcct	cctcctctgc	agagtggcgg	tggtagcagg	gctgtgagga	2940
cagctgcgtg	tcacgtgcac	ctgggcctgg	cacacaataa	tagcttgatg	aatcctcatc	3000
cttttttttt	ttttttctga	gatggagtct	tgctctgtcg	tgacggctgg	tgtgcagtgg	3060
cgcgatctca	gctcactgca	acctctgcct	cctgggtcaa	gcaattctcc	tgtcttggcc	3120
tcccaagtag	ctgggattgc	aggcacgcct	caccacgccc	agctaatttt	tgtattttta	3180
gtagatacgg	ggtttccacca	tgggtggccag	gctgttctta	aactcctgac	ctcaggtgat	3240
ctgcccacct	tggcctctca	aagtgcctga	attataggca	tgagccacca	cgcccagccc	3300
acacctgggt	aatttttaaat	tttttttttt	tttttgggtga	cagagtcttg	ttctgtcacc	3360
caggctggag	tgcaatggcc	aatctcagct	caatgtagcc	tctgcttccc	aggttcaagt	3420
gattcttctg	cctcagcctc	ccgagtagct	gggattacag	gctcccacta	ccgcgcctgg	3480
ctaatttttg	attttttagt	agagacgggg	tttcaccatg	ttagccaggc	tggtctggaa	3540
ctcctgacct	gaggtgatct	gcctgtctca	acctcccaaa	gtgccgggat	tataggcgtg	3600
agctaccgca	cccagccaat	ttttaaaatt	tttatagaga	tgggggtctc	actatgtggc	3660
ccaggctggg	cttgaactcc	tctgggcctt	ggcctcccaa	ggtgctggga	ttacaggctt	3720
gagccactgc	ctcgctgaa	atggggctgt	taacagcaca	cgcttgtggc	catcacctgt	3780
ctgtgggggt	gagcgagcag	cctgtcagga	tctgggtgct	ggtaaacctg	cgatgttttc	3840
gtccttttgt	tgttatttgt	cctccgtgtg	agtggaggga	gaagagattc	tgggttctcc	3900
tgtggatgtc	agaacaaaat	ggggtacaca	gactcccctg	agtcgggcat	ctgggtcttt	3960
cagctcccct	gtggcctgca	ggccagggga	gagtggtgaa	gcgcagggaa	cggcacctga	4020
agctctgcct	tgcatgtact	tgttttctgc	ccctaccctg	gctttccacc	gccccgcgcg	4080
ccggcttttc	gcccctgctt	gctttctgtc	cccgcatact	ttccgcccc	tctcctctct	4140
ttcaggcaaa	gaaacttctg	cctcccaggg	tcactaggcg	ggcagcccac	acccacccca	4200
gacggccacc	acactgaggg	cacacgttgg	ccattccacc	ttggagttgg	aacctggggc	4260
gtcgagacag	gaaggcaggg	cgcagtgggt	gaaacatcag	gacactccca	aggccccggc	4320
tctgaacaag	accttttctg	ttcttggaaa	agagactcat	ttgctgatgg	ttcatgcctt	4380
ctgctgggac	aggcctgggc	tgtgcagcca	cactgtcggc	tgacttagcc	ccctgctcac	4440
tctaggtgcc	tccaggaggt	gagccctggg	tgcagctggg	ctctgaatga	cgttacaccc	4500
tcaccttctt	ttcctggccc	tgtctctgga	ctctcccctg	tgaggcccaa	ttccaagaca	4560
gactctcgtc	ctcacccaag	cttagggcca	catctcccag	gctgcttagg	agacagaatg	4620
gaaacggagg	ccgcccctgc	cagccgcctt	ggccctgggt	actgcatgat	ccgctctggt	4680
caaacccttc	caggccagcc	agagtgggga	tgggtgtgga	cctgctggga	aggcaggctg	4740
atggggcaca	cccttggcct	ctcgccacag	aggggagaaa	cctaaacctt	gtttcacaa	4800
ctgtgcggaa	gtagcttgcc	tcacttctgc	ttaggaaagc	ggctgttgct	ccataactct	4860
aaccagcaca	gggctgaggg	ctgcagtgca	cacctgcagg	gaggcccttc	ccaaggtgtg	4920
gtgactgtgc	cttactgtac	atgctcggag	gcctggccat	ataggagggt	gggtgatgct	4980
gaaatcacc	cccattctaa	gtaattactt	tctggagtaa	tcaggtggaa	atccatagac	5040

aatgaaca ttcagatgta

5060

<210> 9115  
<211> 5060  
<212> DNA  
<213> Homo sapiens

<400> 9115  
ccgggattcg ccctccgggg agcgattggt cctcggggagg ggcggggagg tggacgcggg 60  
taccggcggt cgtcgggtcg gcagcctttg gtcagttggc agcggaagc gcgctgcggt 120  
tccgggtggcg ccatgtcggt ctgcagcttc ttcggggggc aggttttcca gaatcacttt 180  
gaacctgggt ggtcctgcgg cctctcgctg ggagggcagc gcggcggggg gcgcgcatta 240  
gcggggggcg cgccgtcgtc cgggggtgat gtctctccca agccgggaat gggggcgaat 300  
gtggctgccc gggagaagcg aacaggggtc aaaaggactg cggaggagtg gggagcctgg 360  
gggagaggag agtgggttac ctaggagag ggggccttgg ggctcaccgt cctggagggg 420  
gcaggcctcg agtgtgaacg tgccgtttcg ggggtgggtc taagggatcg ggatacgtgg 480  
gggtggtacc ccttccctac cccctacact ccaaagtgat ggcgctgggg gaattcgggt 540  
tagggtcggg gcttcggaga ggccagggtt ttgtccaggg ccagctcctg tggccggggc 600  
gcccccttgc gggatcatccc gcagggtgta ccttgggcct tccattccc ccgagtcgg 660  
gatctctggg aggagtcctg caagcataga atgtcccctt cagatcctaa tgtgccggcc 720  
caggtgcttc cccacctgcc cagggactcc aaattgggga accaggagtg ccaccaggca 780  
cctgccaaaca gcccgtgaag tttgaccagg caggcaggat ggggtgggtt ggggcatggc 840  
cagccctcca cactggccct gatgaatccc ttctgggctg ggctcgctg gtagtggact 900  
aatttggtaa aaacacatcc acaggcaagt ctgagtgcac tggctcctt gggcggatct 960  
gctgggtggc acccctgtag cgggttgggc tgtgacacag gaccatccc gcaaagcctc 1020  
ccccagcaag actctctggc ttagatccc agttgtcctc aggtgtctct gccaagccag 1080  
aaactccact tccacagcag ctgctggctt ctctttgctt tttctccag ttcctggaaa 1140  
aggctgggta gtttacagtc tccaggggag cctgtcccca ggtgatgggt gagaggtgac 1200  
tcagcacccc tggaggttcc tgttttcagt ccttaaaaca gttctgcaag tcagttttgc 1260  
aactttccca cccctccac tccaaaggga tcccttgttg gtaggctgaa atctgttgtc 1320  
cccagccctc tttcttctg ggctcctgtg tggcctggag gccttttctc tgggactgtt 1380  
ctcttctgct ctggagagca gagcagtgcc tgggtatcca gcttagggcc tcgttgggca 1440  
gcaggggagga ccacttgaga aaggagaggg accagggtgg tgggccacat cagggccctc 1500  
gcccctctatg ttcttggggg aactaggggg gcgaggggga gctccgtgtc ctcatggac 1560  
taccaggtt ccttcacgct gcacacactt gtagctgagt gtctgcatca ccaagcaaag 1620  
atggaaatgt taggatatgc cccgtcacgg ggctatgaga agaataag agataattgt 1680  
gaaaggtgac tcccctggtc tctggcacat ctactaaacg tgagctcagc acagcgctc 1740  
ccgtggcggg tgcctgggga aggagcacag cctaccctcg gaacgggggc agcgctgtct 1800  
ttgcctgggt tgggtgattt gggagcttga ccccgaaaag gcgggagctg atgactccac 1860  
atgtgctctt ccttccacca caggcgttta cgtgtgtgcc aagtgtggct atgagctgtt 1920  
ctccagccgc tcgaagtatg cacactcgtc tccatggccg gcgttcaccg agaccattca 1980  
cgccgacagc gtggccaagc gtccggagca caatagatct gaagccttga aggtgagagg 2040  
ccacaggggt gggggaggga cgggggcggc caggagagagc agagagccag tcccacctc 2100  
ctccctctgc ttgccccaca gctccagggg cttagaggcg tctattccag gcctgttgcc 2160  
tctgccaggg agctgccacc ccaggctatc gggagagcct ggccttcttg tgcaaatgtg 2220  
ggaaacagga caggtttcct gtacgggctc caggacaaag gtcaacctct tatgtcggcg 2280  
gtcagcttgg gaaataggcg tgtgggaaga aacaccatct gccagcccca gtaagggcct 2340  
tactgtggc tgtatcatgg ccagaagctc accagctgc cttgtgatct ttccagggtg 2400  
cctgtggcaa gtgtggcaat ggggtgggccc acgagttcct gaacgacggc cccaagccgg 2460  
ggcagtcctg attctgaata ttcagcagct cgctgaagtt tgtccctaaa ggtgagcttg 2520  
ctttgcacag ctggggccag gcctgttggc ctttgagccc aggctggggg gccagtggt 2580  
tgtgcttgtc cacttaccat gacaaggtat gggggccacca agtcacgctg cctgggaact 2640  
gtccaggatc cccagaaaag gtggctgcag cgcaggggca aaggagctgg tgttccgctt 2700  
cctcgcttgg ttgatcatga ctgtcccaaa aaggggcttc agcgtgagaa tgtggcaaat 2760  
ggttttcctc agaggcctgg cctttccagc aggttagagt caggggcggg gcaggcagag 2820  
cctgaggccc cagtcgtgtc cctcctctgc agagtggcgg tggtagcagg gctgtgagga 2880  
tagccgctca gagcctgect cctcctctgc agagtggcgg tggtagcagg gctgtgagga 2940  
cagctgcgtg tcacgtgcac ctgggcctgg cacacaataa tagcttgatg aatcctcatc 3000  
cttttttttt ttttttctga gatggagtct tgctctgtcg tgcaggctgg tgtgcagtgg 3060  
cgcgatctca gctcactgca acctctgect cctgggtcaa gcaattctcc tgttttggcc 3120

tcccaagtag	ctgggattgc	aggcacgcat	caccacgccc	agctaatttt	tgtattttta	3180
gtagatacgg	ggtttcacca	tgggtggccag	gctggtctta	aactcctgac	ctcaggtgat	3240
ctgccacact	tggcctctca	aagtgtctga	attataggca	tgagccacca	cgcccagccc	3300
acacttggtt	aatttttaaat	tttttttttt	tttttggtga	cagagtcttg	ttctgtcacc	3360
caggctggag	tgcaatggcc	aatctcagct	caatgtagcc	tctgcttccc	aggttcaagt	3420
gattcttctg	cctcagcctc	ccgagtagct	gggattacag	gctcccacta	ccgcgcctgg	3480
ctaatttttg	attttttagt	agagacgggg	tttcaccatg	ttagccaggc	tgggtctggaa	3540
ctcctgacct	gaggtgatct	gcctgtctca	acctcccaaa	gtgccgggat	tataggcggtg	3600
agctaccgca	cccagccaat	ttttaaaatt	tttatagaga	tgggggtctc	actatgtggc	3660
ccaggctggg	cttgaactcc	tctgggcctt	ggcctcccaa	ggtgctggga	ttacaggcct	3720
gagccactgc	ctcgcctgaa	atggggctgt	taacagcaca	cgcttgtggc	catcacctgtg	3780
ctgtgggggt	gagcgagcag	cctgtcagga	tctggtgcgt	ggtaaacctg	cgatgttttc	3840
gtccttttgt	tgttatttgt	cctccgtgtg	agtggaggga	gaagagattc	tgggttctcc	3900
tgtggatgtc	agaacaaaat	ggggtacaca	gactcccttg	agtcgggcat	ctgggtctttt	3960
cagctccctt	gtggcctgca	ggccagggca	gagtgtgaaa	gcgcagggaa	cggcacctga	4020
agctctgcct	tgcagtgact	tgccttctgc	ccctaccctg	gctttccaca	gccgccgcgg	4080
ccggttttcc	gaccatgctt	gctttctgac	tcagcagact	ttccgcccc	tctcctctct	4140
ttcaggcaaa	gaaactttctg	cctcacaggg	tcactaggcg	gtcagccac	acccacccca	4200
gacggccacc	acactgaggc	cacacgttgg	ccattccacc	ttggagttgg	aacctgtggc	4260
gtcagagacg	gaaggcaggc	cgcagtgggt	gaaacatcag	gacactccca	aggccccggc	4320
tctgaacaag	accttttctg	ttcttggaaa	agagactcat	ttgctgatgg	ttcatgcctt	4380
ctgctgggac	aggcctgggc	tgtgcagcca	cactgtcggc	tgacttagcc	ccctgctcac	4440
tctaggtgcc	tccaggagggt	gagccctggg	tgcagctggt	ctctgaatga	cgttacaccc	4500
tcacctttct	ttcctggccc	tgtctctgga	ctctcccttg	tgaggcccaa	ttccaagaca	4560
gactctcgtc	ctcaccgaag	cttaggccca	catctcccag	gctgcttagg	agacagaatg	4620
gaaacggagg	ccgcccctgc	cagccgccct	ggccctggtc	actgcatgat	ccgctctggt	4680
caaacccttc	caggccagcc	agagtgggga	tggctctgtga	cctgctggga	aggcaggctg	4740
atggggcaca	cccttggcct	ctcgtccacg	aggggagaaa	cctaaaccct	gtttcacaat	4800
ctgtgcggaa	gtagcttgcc	tcacttctgc	ttaggaaagc	ggctgttgct	ccataactct	4860
aaccagcaca	gggtgaggc	ctgcagtgcg	cacctgcagg	gaggcccttc	ccaagtggtg	4920
gtgactgtgc	cttactgtac	atgctcggag	gcttggccat	ataggagggt	gggtgatgct	4980
gaaatcaccc	cccatcttaa	gtaattactt	tctggagtaa	tcagggtggaa	atccatagac	5040
aaatgaaaca	ttcagatgta					5060

<210> 9116  
 <211> 1662  
 <212> DNA  
 <213> Homo sapiens

<400> 9116						
agctccaggg	gtcagggagg	gggactcagg	agggcttagc	tcagcagtga	tgggacagc	60
atgtgcacag	gctcagcaca	catggggcct	gccccaggcc	ctggagggca	cggaacaagg	120
ctccacaaga	aatgcacat	tttcccaatt	tatacccaca	gaaatccggg	gagcatgtgg	180
gagtggattt	taagggttga	tgtttcacc	tgcagaaccc	acagctggca	tcgccccaaa	240
agcgggtggc	aggagtggcc	caaagggcac	aggatggccc	caaagcattg	caagatgggg	300
ccagttggga	tctgaactaa	ggaacgctaa	acgccagggt	gagcactcca	gagcatttat	360
tagggggact	tacagaaggc	cgcagcgtat	ccttgcaaca	aaagcgagag	agaagagggtg	420
ccctcccttg	atatctctgc	agcaagggga	cacggtgtgg	agtggatatg	gaagtttaag	480
ggatttggct	cagggttggg	ccagtttctt	tcagtgtttt	agcccaaac	ctagattttt	540
tttttttttt	tttttttttg	agacagagtc	ttggtctgtc	atttaggctg	gagtgcagtg	600
gtgagatctc	ggctcactgc	agcctccgtc	tcacgcctgg	gttcaagcaa	ttcttgtgcc	660
tcagcctctt	gagtagctgg	gattacaggc	gctcggccagt	atgcctggct	aatttttgta	720
tttttagtag	agatagggtt	tcgccatgtt	ggcgaggctg	atctcgaaca	ctgcacccag	780
cctagaattt	tttaatttaa	tttttaaaaa	attagagata	gggccttacc	atctcaccca	840
ggctggctct	gaattcctag	gctcaaacaa	tcctcctgcc	tcagtcccc	aaagtgtctg	900
gattacaggc	gtgagccaca	tgccctggctg	cactttgtga	ttcttgggtca	ggacacagaa	960
agaaagcagg	ggaggccagg	tgtgggtggc	catgcccgctc	atcccagcac	tttgggaggc	1020
tgagatgggt	ggatcacctg	aggctcgggag	ttcaagacca	gcctggccaa	cacgggtgaaa	1080
ccctatctct	actaaaaata	caaaaattag	ctgggtgtgg	tggcgcatgc	ctgtaatccc	1140
agctacttgg	gaggctgagg	gatgagaatc	acttgaatct	gggagggtgga	ggttgcagtg	1200

agctgagatt	acaccactgc	actccagcct	gggcgacaga	gcgagactct	gtctcaaaaa	1260
aaaaaaaaaa	agaaaagaaa	agaaaaaaaa	agcaggggga	accaggagac	cctacagtag	1320
ggataatggg	gaaaggaaca	aaaaattggg	tcaggttgcg	tttattgata	cgggcccact	1380
aagcagaggt	tctggacctc	gtgctaccac	tgctgggggt	tgactgggtg	gttgggtgagc	1440
tacaacacag	accaaaaaagt	gacctacaca	aagtgaggct	gaaatgccag	gcctgcctct	1500
ctgctgtggc	gaggatggga	ctcaaaggct	tggggagggt	ggagtgtcag	agtggattta	1560
tcttttgaga	cctactcacc	cacccctgga	gaggagagag	gacacacctc	ttaccacccc	1620
cacgagaaat	aaatttgtga	ggggaacact	cctccttcac	ga		1662

<210> 9117  
 <211> 547  
 <212> DNA  
 <213> Homo sapiens

<400> 9117						
agatcagatg	agccagttta	tcaatctggt	tggtgccagc	agatccatca	agttgcaggg	60
tcggcaaaat	atctcaagca	ctgatcttag	gggcagctta	gggagggtca	gaatcttgta	120
gcctccagat	gcacgactcc	taaaccataa	ttcccaatat	tgtggctaata	gttagtccta	180
aaaatgcaat	ctagtcccca	ggcaaggagg	tggtctgctt	tgggaaaggg	ctgttactgt	240
ctttgtttta	aactataaac	tggtctggcg	cggctggctca	cgctgtaat	cccagcactt	300
tgggaggcca	agatgggagg	atcacctgag	gtcggggagt	caagaccagc	ctggccaaca	360
tcgagaaacc	tcgtctctat	taaaaataca	aaattagctg	ggcgtgggtg	cgcatgattg	420
taatcccatc	tactcgggag	gctgaggcag	gagaattgct	tgaaccagcg	agttggaggt	480
tgcagtgagc	tgagatcgcg	ctactgcact	ccagcctgga	aacagagtaa	gactccgtct	540
caaaaga						547

<210> 9118  
 <211> 1662  
 <212> DNA  
 <213> Homo sapiens

<400> 9118						
agctccaggg	gtcagggagg	gggactcaga	agggcttagc	tcagcagtga	tgggcacagc	60
atgtgcacag	gctcagcaca	catggggcct	gccccaggcc	ctggagggga	cggaacaagg	120
ctccacaaga	aatgcaccat	tttcccaatt	tatacccaca	gaaatccggg	gagcatgtgg	180
gagtggatth	taagggtgga	tgtttcacc	tcgagaaccc	acagctggca	tcgccccaaa	240
agcgggtggc	aggagtggcc	caaagggcac	aggatggccc	caaagcattg	caagatgggg	300
ccagttggga	tctgaactaa	ggaacgctaa	acgccagggt	gagcactcca	gagcatttat	360
tagggggact	tacagaaggc	cgcagcgtat	ccttgcaaca	aaagcgagag	agaagagggtg	420
ccctcccttg	atatctctgc	agcaagggga	cacggtgtgg	agtggatatg	gaagtttaag	480
ggatttggtc	cagggctggg	ccagtttctt	tcagtgtttt	agcccacaac	ctagattttt	540
tttttttttt	tttttttttg	agacagagtc	ttggtctgtc	atttaggctg	gagtgcagtg	600
gtgagatctc	ggctcactgc	agcctccgtc	tcacgcctgg	gttcaagcaa	ttcttgtgcc	660
tcagcctctt	gagttagctg	gattacaggc	gtcgcagctg	atgcctgggt	aatttttgtta	720
tttttagtag	agatagggtt	tcgccatggt	ggcgaggctg	atctcgaaca	ctgcacccag	780
cctagaatth	tttaatttaa	tttttaaaaa	attagagata	gggccttacc	atctcaccca	840
ggctgggtct	gaattcctag	gctcaaacaa	tcctcctgcc	tcagtcccc	aaagtgtctg	900
gattacaggc	gtgagccaca	tgcttggtcg	cacttttgta	ttcttgggtc	ggacacagaa	960
agaaagcagg	ggaggccagg	tgtgggtggc	catgcccgct	atcccagcac	tttgggaggc	1020
tgagatgggt	ggatcacctg	aggctggggg	ttcaagacca	gcctggccaa	cacggtgaaa	1080
ccctatctct	actaaaaata	caaaaattag	ctgggtgtgg	tggcgcatgc	ctgtaatccc	1140
agctacttgg	gaggctgagg	gatgagaatc	acttgaatct	gggagggtgga	ggttgcagtg	1200
agctgagatt	acaccactgc	actccagcct	gggcgacaga	gcgagactct	gtctcaaaaa	1260
aaaaaaaaaa	agaaaagaaa	agaaaaaaaa	agcaggggga	accaggagac	cctacagtag	1320
ggataatggg	gaaaggaaca	aaaaattggg	tcaggttgcg	tttattgata	cgggcccact	1380
aagcagaggt	tctggacctc	gtgctaccac	tgctgggggt	tgactgggtg	gttgggtgagc	1440
tacaacacag	accaaaaaagt	gacctacaca	aagtgaggct	gaaatgccag	gcctgcctct	1500
ctgctgtggc	gaggatggga	ctcaaaggct	tggggagggt	ggagtgtcag	agtggattta	1560
tcttttgaga	cctactcacc	cacccctgga	gaggagagag	gacacacctc	ttaccacccc	1620

cacgagaaat aaattttgtga ggggaacact cctccttcat ga

1662

<210> 9119  
<211> 547  
<212> DNA  
<213> Homo sapiens

<400> 9119  
agatcagatg agccagttta tcaatctggt tgggtgccagc agatccatca agttgcaggg 60  
tcggcaaaat atctcaagca ctgatcttag gggcagctta gggagggtca gaatcttgta 120  
gcctccagat gcacgactcc taaaccataa ttcccaatat tgtggctaata gttagtccta 180  
aaaatgcaat ctagtcccca ggcaaggagg tggctctgctt tgggaaaggg ctgttactgt 240  
ctttgtttta aactataaac tggctgggag cggtggctca cgcttgaat ccagcacttt 300  
tgggaggcca agatgggagg atcacctgag gtcgggagtt caagaccagc ctggccaaca 360  
tcgagaaacc tcgtctctat taaaaatata aaattagctg ggcgtgggtg cgcatgattg 420  
taatcccatc tactcgggag gctgaggcag gagaattgct tgaaccagcg agttggaggt 480  
tgcagtggagc tgagatcgcg ctactgcact ccagcctgga aacagagtaa gactccgtct 540  
cgaaaga 547

<210> 9120  
<211> 2036  
<212> DNA  
<213> Homo sapiens

<400> 9120  
ggattgtaac acatgacaaa gtttgagaac tactgacagg aagagtcctg ctgctgagtt 60  
ctaggcccag ttctgtcact ggctcactaa atgacttcag gcatgtccct ctccattttt 120  
gaacttcagt ttctcttctt gtgaaatgaa agccttggag taggcagcgt ctaaaggctc 180  
tgtcactccg taattgtgtg actttggtaa ctttgtttga cttctccttg ctttaagttt 240  
ctcatatggg tatggtaagg aaaataccta cctcacagga ttttctaaca attttgtgat 300  
tattaagtat gatgactgat gactaatata tgacagccag ctcttacaca gtgctttcta 360  
tattcctggac tgttgtaagt gcttttaatc cccgcaacaa tcccatctcc attttataaa 420  
tgaaaaatag aggtcacacg gctaatacgt gtcagagttt ggattaaaaa ccagaaaaat 480  
ctgtccccag agacaatgat ttttaactagc atgccccttt gctcaataaa tgttaattcc 540  
ctcacctttt ccacacacac acagtctagc tgaccattca tagacaataa tcccactttc 600  
acagtcctat caacaagatc ttaaaagaac catgagaatc tctaggtttc ttttgcaaat 660  
agttttcaag catttaaaaa aaaaagggtg gggcgggga gggagtggcc aagatggctg 720  
actagaagca gctaggatga gtggttctca tggaggggga ggaaaggggc gaggataaac 780  
agcgcttcca actgaaacat ccagggtaccc acattgggtc taatcaagga aacaactcga 840  
tccacagaga atgaagaaaa gcaaggcagg atgacagccc acccaggagc aacatggaga 900  
cagaggaacc tcctccaccc agggaagtgc taagtgaatg tgcgatcctg ggaaaccacg 960  
ctcctcccat ggatccttgc aacccttggg tcaggagatc ccctggtgaa cccactccac 1020  
cagggccttc agtctgacac acagagatac atggagtctc agcagagtag ccgcttgagc 1080  
acgtgcagag acccagcagc tttacatact ccggccctgg gtttcccagc aaaagtaact 1140  
gcaactcctg caaagcggga gattagaccc ctgtacatac ccctaggaaa gaggtgaat 1200  
ccaggggggc aagcggcacg atctgcgggc cccacttcca ctgcacctca caggataaga 1260  
cccactgggt tgggaattcca gccagccacc agcagcagtg ttgcacctac ctgggacgga 1320  
ggtcccaggg ggaagggcag gctgctctct gggacagagc tcccagaagt ggtaccccag 1380  
aacagcacag cacagctgct cttcagaagc atggccagac tgcttcttta agcaggtgcc 1440  
caatctgttc ctctcactg ggtgggactt ttcaaccaag gcctccagca acccctactg 1500  
gtgttctctg gctgacagag atttgaattc tccctgggac agagttcccg gagggaggga 1560  
ggggccacca tctttgctgt ttgggcgact tagctgttcc ggccctccag ctttggagag 1620  
cccacaccaa ccaggggtg aagcagtgcc ccagcacagc acagctgac tgtgaaagca 1680  
tggacagact gcttctttaa gcagttccct gatccggttc ctctgactg ggtgagacct 1740  
cccaaccagg gtctccagcc ttgtcctgca ggcgcatttg ggctggcaac aggtctgtac 1800  
ctcgtggggc cggagctccc agaggaagag gcaggatgac atctttgctg tttcacagcc 1860  
ttcactgggt atagctccag gtactggaaa atccaaggag actaggaaat ggagaagaag 1920  
cccagcaaag tacagcagcc ctacagaaac atggccagac tgtagaaaga aaaaaaaaaa 1980  
ccaaaggtca gcaacctcaa agattgaagg tagataagcc cacaagtgaa gaaaga 2036

[illegible]

```
<210> 9122
<211> 2669
<212> DNA
<213> Homo sapiens
```

<220>  
<221> SITE

<222> (1309)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1310)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1480)  
<223> n equals a,t,g, or c

<400> 9122

ggattgtaac	acatgacaaa	gtttgagaac	tactgacagg	aagagtcctg	ctgctgagtt	60
ctaggcccag	ttctgtcact	ggctcactaa	atgacttcag	gcattgtccct	ctcctatattt	120
gaacttcagt	tttctcttct	gtgaaatgaa	agccttggac	taggcagcgt	ctaaaggctc	180
tgtcactccg	taattgtgtg	actttggtaa	ctttgtttga	cttctccttg	cttaagtttt	240
ctcatatggg	tatggtaagg	aaaataccta	cctcacagga	ttttctaaca	attttgtgat	300
tattaagtat	gatgactgat	gactaatata	tgacagccag	ctcttacaca	gtgcttttcta	360
tatcctggac	tgttgtaagt	gcttttaata	cccgaacaa	tcccatctcc	attttacaaa	420
tgaaaaatag	aggtcacacg	gctaatacgt	gtcagagttt	ggattaaaaac	ccagaaaaat	480
ctgtccccag	agacaatgat	tttaactagc	atgccctttt	gctcaataaa	tgttaattcc	540
ctcacccttt	ccacacacac	acagtctagc	tgaccattca	tagacaataa	tcccactttc	600
acagtccatc	caacaagatc	ttaaaagaac	catgagaatc	tctaggtttc	ttttgcaa	660
agttttcaag	catttaaaaa	aaaaagggtg	ggggcgggga	gggagtggcc	aagatggctg	720
actagaagca	gctagggtga	gtggttctca	tggaggggaa	ggaaaggggc	gagtaaatac	780
agcgcttca	actgaaacat	ccagggtacc	acattgggtc	taatcaagga	aacaactcga	840
tccacagaga	atgaagaaaa	gcaaggcagg	atgacagccc	accaggagc	aacatggaga	900
cagaggaaac	tcctccaccc	agggagtcg	taagtgaatg	tgcgatcctg	ggaaaccacg	960
ctcctcccat	ggatccttgc	aaccttggg	tcaggagatc	ccctggtgaa	cccactccac	1020
cagggccttc	agtctgacac	acagagatac	atggagtctc	agcagagtag	ccgcttgagc	1080
acgtgcagag	accagcagc	ttacatact	ccggccctgg	gtttcccagc	aaaagtaact	1140
gcaactcctg	caaagcggga	gattagacct	ctgtacatac	ccctaggaaa	gaggctgaat	1200
ccagggggcc	aagcggcacg	atctgcgggc	cccacttcca	ctgcacctca	caggataaga	1260
cccactgggt	tggaaattcca	gccagccacc	agcagcagtg	ttgcacctnn	acggacagag	1320
gtccaggggg	aagggcaggc	tgctctctgg	gacagagctc	ccagaagtgg	taccccagaa	1380
cagcacgcac	agctgctctt	cagaagcatg	gccagactgc	ttctttaagc	aggtgcccaa	1440
tctgttcttc	ctcactgggt	gggacttttc	aaccaaggcn	ctccagcaac	ccctactggg	1500
gttctctggc	tgacagagat	ttgaattctc	cctgggacag	agctcccgga	gggagggagg	1560
ggccaccatc	tttgctgttt	ggggcactta	gctgttccgg	cctccaggct	ttggagagcc	1620
cacaccaacc	aggggtggaa	cgcagtgcgc	cagcaacgcg	acagctgatc	tgtgaaagca	1680
tggacagact	gcttctttta	gcagtccctt	gatcccgttc	ctcctgactg	ggtgagacct	1740
ccaaccagg	gtctccagcc	ttgtcctgca	ggcgcatttg	ggctggcaac	aggtctgtac	1800
ctcgctgggc	cggagctccc	agaggaagag	gcaggctgac	atctttgctg	tttcacagcc	1860
ttcactgggt	atagctccag	gtactggaaa	atccaaggag	actaggaact	ggagaagaag	1920
cccagcaaa	tacagcagcc	ctacagaaac	atggccagac	tgttaaaaga	aaaaaaaaat	1980
ccaaaggtca	gcaacctcaa	agactgaagg	tagataagcc	cacaaagatg	agaaagaatc	2040
agtgaagaa	tgctgaaaac	tcaagaagcc	agagtgcctt	ctttcctcca	aatgactgca	2100
tcacctctct	agcaagggtt	cgggaattggg	ctgaggctga	gatggctgaa	atgacataag	2160
tagaattcag	aatatggata	gaaatgaact	tactgagtt	aaaagagtac	attgtaaccc	2220
aatgcaagca	agctaaaaat	catgataaaa	cattgcagga	gctgacagac	aaaatagccc	2280
atgtagagaa	gaatgtaacc	aacctgacgg	aactgaaaaa	acacactaca	agaatttcat	2340
aatgcaatca	caagtactaa	tagcagaata	gacaaagcgg	aggaaagaat	ttcagagctt	2400
gaagactggc	tttctgaaat	aagactggca	gacaagaata	gagaaaaaag	aatgaaaagc	2460
aatgaacaaa	acctccgaga	aatatgggga	cacgtaaaga	gagcgaatct	aagactgatt	2520
ggtgtccctg	aaagagatgg	ggaaaacgga	accaatttgg	aaaacgcatt	tcaggatatc	2580
atctatgaga	aattccctaa	cctagctaga	gaggccaaca	ttcaaattca	ggaaatccag	2640
agaactccag	gaagatactc	cacgaaagg				2669



<210> 9123  
<211> 300  
<212> DNA  
<213> Homo sapiens

<400> 9123  
tctagagtga ccaaccatcc tcttgtgccc agaactacag gactttccat tttaaaacta 60  
ggagagtccc acacaaacca ggactgttgg tcagtcaccg taccttcttg ctgctagata 120  
tgtaattttc tttgggttttc atcaccgggtt cccattttctt tgaaagtgtt tgtaggtcac 180  
acactgtgta gtccatgatg aaaagaacaa aagatgtatg aattatgggtg tgttgtgggtg 240  
gttcccaaag taggggtcccc agaccaccag cagtggcatc atttgagaac tccttagaaa 300

<210> 9124  
<211> 2666  
<212> DNA  
<213> Homo sapiens

<400> 9124  
aaggaagcac taaatgtaga aaggaaagat gggtaccagc cactccaaaa acacactgaa 60  
gtactcagac cagtgacact acagagcaaa catgtaagca agtctgcaaa ataaccagct 120  
agcatcatga tgaaaggatc aaatccaaac ataccaatac taaccttaaa ttgtaaatgg 180  
gctaaatgcc ccagttaaaa gacacagagt agcaagctgg ataaggaact aagatccaat 240  
ggatgtctgt cttcaagaga accatctcac atgcaatgac acacataggc tcaaaataaa 300  
aagatggatg aaaatctacc aagcaaacgg aaacataaaa aaagcagcag ttgcaatcct 360  
agtttctgac aaaacagact ttaaataaac aaagatcaaa aaacacaaaag aagggcatta 420  
cataatggta aatgggttcaa ttcaacaaga aaatctaact atcctaaata catatggacc 480  
caacacagga gcaccagat ttataaagca agttcttaga ggcttcaca gagacttaga 540  
ctgccaggca atgatagtgg gagacttttt aacaccccac tgacaatatt agacagatca 600  
ttgagacaga cagttaacaa agatattcag gacctgaact cagcactgga tcaaatggac 660  
ctgggtggata tctacagaac tctccacccc aaaacaacag aatatacatt cttctgatca 720  
ccgcaaggca cttactctaa aatcgaccac ataatcagaa gtaaaacact cctcgacaaa 780  
tgcaaaagaa ctgaaatcat gacaaacagt ctcttggggc acagaagaat caaatttgaa 840  
atcaagatta agaaattcac tcaaaaccat gcaattacat ggaaattgaa taacctgctc 900  
ctgaatgact tttgggtaaa caatgaaatt taggcagaaa tcaagaagtt ctatgaaact 960  
aatgagaaca aagatacaaa gtaccagaat ctctgggata cagcaaaggc agtggttaaga 1020  
aggaaattta tagcactaaa tgcccacatc aaaaagttag aaagatctca agttaaatac 1080  
ctaactcac tactaaaaa actagagaag cgagagcaaa caaatccaa aactagcaga 1140  
agacaagaaa taacaaaaat cagagctgaa ctgaaaggaga cagagacatg aaaaaccctt 1200  
caaaaaatga aagaatccag aagctgtttt ttttttcttt gaaaaaaagt aataaaatag 1260  
accgctagct agacgaataa agaaggaaag agagaagatt tgaataaaca caatcagaaa 1320  
tgataagggg aatattttatc actgacccca cagaaataca aacaaccacc agagaatatt 1380  
gtgaacacct ctgggcacat aaactaggaa gtctagaaga aatggacaaa ttcctggaca 1440  
cacacacctc cccaaggctg aaccaggaag aaactgaatc cctgaacaga ccagtaatga 1500  
gtttggaat tgaggcagta ataaatagcc taccaaccaa aaaaatccca ggaccagatg 1560  
gattcacagc tgaattctac cagatgtaca aagaggaaat ggtagcattc ctactgatac 1620  
tatttcaaaa aattgagaag gagggactcc tccctaaactc attctatgag gccagcatca 1680  
tcctgaaacc aaaacctggc agagatacaa caacaaaaga aaacttcagg ccagtatcct 1740  
tcatgaacat caatgcaaaa atcctcaaca aaatgctggc aaactgaatc cagcagcaca 1800  
tcaaaaagct tatccaccac gatcaagttg gcttcctccc tgggatgcaa ggttggttca 1860  
acatatgcag atcaataaat gtgactcatc acataaacag aactaaagac aaaaaccaca 1920  
tgattatctc aatagatgca gaaaaggctt ttgataaaat tcaacatcgc ttcattgttaa 1980  
aaactctcaa taaactagggt attgaaggac catgcctcaa aataataaga gccatctgtg 2040  
acaaacgcac agccaacatc atactgaatg gacaacagct ggaagcattc cccttgaaaa 2100  
cgggcacag acaaggatgc cctctctcac cactcctatt caacatagta ttggaagttc 2160  
tggccagggc aatcaggcaa gtgaaagaaa taaaggcat ccaaattgga agggaggaag 2220  
tcaacctatc cctgcttgca gatgacatga tcttatatct agaaaacccc gttgtctcag 2280  
cccaaaggcc tcttaagctg ataaacaact tcagcaaagt ctcagggtac agaataatg 2340  
tgcaaaaatc actagcattc ctatacacca gcaacagtaa agccgacagc caaatcagca 2400  
atgaactccc attcacaatt gctacaaaaa gaataaaata cctaggaata cagctaacta 2460  
gggaggtgaa agatctctac aaggagaact acaaacact gctcaaagaa atcggagatg 2520

acacacaaaa	aaatggaaaa	acaattccaag	ctcatggata	ggaagaatca	gtattaaaaat	2580
gggcatactg	cccaaagcaa	tttatagatt	caatgctatt	cccattaaac	taccattgac	2640
agtcttcaca	gaacgagaaa	aaaaaa				2666

<210> 9125  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 9125						
tctagagtga	ccaaccatcc	tcttgtgccc	agaactacag	gacttttccat	tttaaaagta	60
ggagagtccc	acacaaacca	ggactgttgg	tcagtcaccg	taccttcttg	ctgctagata	120
tgtaattttc	tttggttttc	atcacccggt	cccatttctt	tgaaagtgtt	tgtaggtcac	180
acactgtgta	gtccatgatg	aaaagaacaa	aagatgtatg	aattatgggtg	tgttgtgggtg	240
gttcccaaag	taggggtccc	agaccaccag	cagtggcatc	atttgagaac	tccttagaaa	300

<210> 9126  
 <211> 4591  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (740)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (3998)  
 <223> n equals a,t,g, or c

<400> 9126						
aaggaagcac	taaatgtaga	aaggaaagat	ggttaccagc	cactccaaaa	acacactgaa	60
gtactcagac	cagtgcact	acagagcaaa	catgtaagca	agtctgcaaa	ataaccagct	120
agcatcatga	tgaaaggatc	aaatccaaac	ataccaatac	taaccttaaa	ttgtaaatgg	180
gctaaatgcc	ccagttaaaa	gacacagagt	agcaagctgg	ataaggaact	aagatccaat	240
ggtagctgtg	cttcaagaga	accatctcac	atgcaatgac	acacataggc	tcaaaataaa	300
aagatggatg	aaaatctacc	aagcaaacgg	aaaacataaa	aaagcagcag	ttgcaatcct	360
agttttctgac	aaaacagact	ttaaatcaac	aaagatcaaa	aaacacaaag	aagggcatta	420
cataatggta	aatgggttcaa	ttcaacaaga	aaatctaact	atcctaaata	catatggacc	480
caacacagga	gcacccagat	ttataaagca	agttcttaga	ggccttcaca	gagacttaga	540
ctgccaggca	atgatagtgg	gagacttttt	aacaccccac	tgacaatatt	agacagatca	600
ttgagacaga	cagttaacaa	agatattcag	gacctgaact	cagcactgga	tcaaatggac	660
ctgggtggata	tctacagaac	tctccacccc	aaaacaacag	aatatacatt	cttctgatca	720
ccgcaaggca	cttactctan	catcgaccac	ataatcagaa	gtaaaacact	cctcgacaga	780
tgcaaaagaa	ctgaaatcat	gacaaacagt	ctcttggggc	acagaagaat	caaatttgaa	840
atcaagatta	agaaattcac	tcaaaaccat	gcaattacat	ggaaattgaa	taacctgctc	900
ctgaatgact	tttgggtaaa	caatgaaatt	taggcagaaa	tcaagaagtt	ctatgaaact	960
aatgagaaca	aagatacaaa	gtaccagaat	ctctgggata	cagcaaaggc	agtgttaaga	1020
aggaaattta	tagcactaaa	tgcccacatc	aaaaagttag	aaagatctca	agttaataac	1080
ctaacatcac	tactaaaaga	actagagaag	cgagagcaaa	caaatcccaa	aactagcaga	1140
agacaagaaa	taacaaaaaat	cagagctgaa	ctgaaggaga	cagagacatg	aaaaaccctt	1200
caaaaaatga	agaatccag	aagctgtttt	ttttttcttt	gaaaaaaagt	aataaaatag	1260
accgtagctg	agacgaataa	agaaggaaa	agagaagatt	tgaataaaca	caatcagaaa	1320
tgataagggg	aatatattatc	actgacccca	cagaaatata	aacaaccacc	agagaatatt	1380
gtgaacacct	ctgggacacat	aaactaggaa	gtctagaaga	aatggacaaa	ttcctggaca	1440
cacacacctc	cccaaggctg	aaccaggaag	aaactgaatc	cctgaacaga	ccagtaatga	1500
gttttgaaaat	tgaggcagta	ataaatagcc	taccaaccaa	aaaaatccca	ggaccagatg	1560
gattcacagc	tgaattctac	cagatgtaca	aagaggaact	ggtagcattc	ctactgatac	1620

tatttcaaaa	aattgagaag	gagggactcc	tccctaactc	attctatgag	gccagcatca	1680
tcctgaaacc	aaaacctggc	agagatacaa	caacaaaaga	aaacttcagg	ccagtatcct	1740
tcatgaacat	caatgcaaaa	atcctcaaca	aaatgctggc	aaactgaatc	cagcagcaca	1800
tcaaaaagct	tatccaccac	gatcaagttg	gcttctctcc	tgggatgcaa	ggttggttca	1860
acatatgcag	atcaataaat	gtgactcatc	acataaacag	aactaaagac	aaaaaccaca	1920
tgattatctc	aatagatgca	gaaaaggctt	ttgataaaat	tcaacatcgc	ttcatgttaa	1980
aaactctcaa	taaactaggt	attgaaggac	catgcctcaa	aataataaga	gccatctgtg	2040
acaaacgcac	agccaacatc	atactgaatg	gacaacagct	ggaagcattc	cccttgaaaa	2100
ccggcacaag	acaaggatgc	cctctctcac	cactcctatt	caacatagta	ttggaagttc	2160
tggccagggc	aatcaggcaa	gtgaaagaaa	taaagggcat	ccaaattgga	agggaggaag	2220
tcaacctatc	cctgcttgca	gatgacatga	tcctatatct	agaaaacccc	gttgtctcag	2280
cccaaaggcc	tcttaagctg	ataaacaact	tcagcaaagt	ctcagggtac	agaatcaatg	2340
tgcaaaaatc	actagcattc	ctatacacca	gcaacagtaa	agccgacagc	caaatacagca	2400
atgaactccc	attcacaaat	gctacaaaaa	gaataaaata	cctaggaata	cagctaacta	2460
gggaggtgaa	agatctctac	aaggagaact	acaaaccact	gctcaaagaa	atcggagatg	2520
acacacaaaa	aaatggaaaa	acattccaag	ctcatggata	ggaagaatca	gtattaaaat	2580
gggcatactg	cccaaagcaa	tttatagatt	caatgctatt	cccattaaac	taccattgac	2640
agtcttcaca	gaacgagaaa	aaaaaaaacta	ttttaaaatt	catatggaac	caaaaaacaa	2700
aaaaagcccg	aataccgaag	gcaatcctaa	gcaaaaagga	caaagctgga	ggcatcatgc	2760
tacctgactt	caaatctatg	tacaaggcta	cagtaaccca	aacagcatgg	tgctggtaca	2820
agaacagaca	catagacaaa	tggaacagaa	cagagaaccg	agaaatgaga	ccacacacct	2880
acaactaact	gatctctgac	aaacctgaca	aaaacaagca	atggggaaaag	gattcccggg	2940
tcaataaatg	gtgctgggat	aactggctag	ccatgtgcag	aagatgaaaa	ccggctccct	3000
tgcttacact	atatacaaa	attgactcaa	gatggattaa	agactgacat	gtaaaacccc	3060
caactatgaa	aactctgaaa	gacaacttag	gcaatgccat	tcagggcata	ggcatgggca	3120
aagatttcat	gatgaagacg	ccaaaagcaa	ttgcaacaaa	agcaaaaaat	tgacaaatgg	3180
ggtctaataa	aattaaagag	ctgtgcacag	tgaagaaaac	tatcaacaga	gtaaacagac	3240
aacctacaga	atgggagaaa	atatttgcaa	actatgcatc	tgacaaaggt	ctaatatcca	3300
gcatctataa	agaactttaa	caaatttaca	ggaaaacaaa	caatcccata	aaaaagtggg	3360
aaaaggacat	gaacagacac	ttttcaagag	gagacatata	tgagcccaac	attcatatga	3420
aaaaaaaaagg	tcaacatcac	tgatcattag	agaaatgcaa	atcaaaacca	caatgagatc	3480
ccaactaata	ttagccaaaa	tggccattat	taaaaagtca	aaaaataaca	gatgctggcg	3540
aggctgtgga	gaaaaaggaa	tgcttataca	ctgtctgtgg	gattgtaaac	aagttcagcc	3600
actgtggaag	acagtgtggt	gattcctcaa	agacctaag	acagaaatac	cattcaaccc	3660
agcaatccca	ttactgggtc	tacacccaaa	ggactaaaaa	tcattctgtt	acaaagacac	3720
atgcatgtgt	atgctcattg	cagcactact	cacaatagca	aagacatgga	atcagcctaa	3780
atccccaaca	gtgacagact	ggagaaagat	aatgtggtac	atatacacca	tgggaatacta	3840
tgcagccgtg	aaaaagaatg	agataatgtc	cttcgcaggg	acatggatgg	agctggaggc	3900
ccttatccct	agcagaccaa	cacagaaaaga	gaaaaccaaa	tactgcatgt	tctcacttat	3960
aagtgaagat	taaatagatga	gaacatatga	cacatggngg	gaacaacaca	cactggggcc	4020
ttttggagga	tagagggtgt	gaggaggggag	aggatcaaga	aaaacaccta	atgggtacta	4080
ggcttaaccc	ctgggtgatg	aattaatcta	tgcaacaaat	cccctatgac	acaggtttcc	4140
ctatgtaaca	acccggcctt	tgtccccctg	aatttaaagt	tttaaaaaaa	aaaaaaaaagg	4200
gagttggtgg	ctaataacct	ctaaataagg	cttttcaaac	ttaaaagcaa	aatctagccg	4260
ggtgccgtgg	ctcacgcctg	taatcccagc	acttttggag	gccaaaggcag	gaggatcgct	4320
tgaggtcagg	agtttgaacc	cagcctgagc	agcaaagcaa	gcccccgttt	ctacaaaaaa	4380
atagaattaa	aagaaaagtt	agttgggtgg	gagtcatgag	tgccctgcagt	cccagctact	4440
cgggaagctg	aggtggggag	atctcttgag	cccagcagtt	caaggctact	gtgagctatg	4500
atcaccccac	tgcaactccag	cctgggtaac	agagcaagac	catgtctcaa	aaaaaaaaaa	4560
aaaaaaaaaaa	ttcatcattt	ctaattttgc	c			4591

<210> 9127

<211> 1551

<212> DNA

<213> Homo sapiens

<400> 9127

ctccattaag	aattgattac	taatagcaga	agattttaaa	ctatctctgt	tggtagatga	60
agtgattctt	gcatagatag	agagagccat	ttgtcaccac	agctggctaa	gtccccctcc	120
ttccttcact	tagtctgtat	tagtttgcta	gagctgccat	aacaaaatat	cagagtctga	180

gtagctttaa	caacaggaat	ccactttctc	acacttctgg	aggttgga	ccaagatca	240
agggtgctggc	aggggtgggtt	tcacagagag	ctttcaagga	aggatctgtt	ctgggccttt	300
ctttttgaca	tgtagatggc	tgccctttta	ttgcctcttc	atctgtgtct	gtgtgtctct	360
gatgtctctc	tctgtgtgtc	caaacatcat	cttataagga	caccagtagg	aacggattag	420
gtcctaccct	aatggtcaca	ttttttactt	gattttctct	ttaaaggcct	tatatccaaa	480
tacagtcatg	gtcttagagga	caagggtgta	ggggttcaaa	catacgaatt	tgtgggagtc	540
aattcagctc	ataacatagt	ccatgagcct	gtactaattg	gaagtggagga	ttaggttttt	600
agttgtttcc	ttccttccaa	ttactctaga	tctttctcca	cttcagttg	accaatccct	660
tcatgctgcc	agccccacat	ttgacttgac	tgcctttacc	tacactctcc	agtctttggt	720
attctttcct	tcctcacatc	caaatgtaac	tctgccacaa	cccactagac	ctctattagg	780
aatcatttga	aaactaaaaa	gtaaaacatc	tatttgaccc	ccttgacca	tgctttctgg	840
ctgcatatta	aaaataatag	caaaaatcat	gattactttt	gcaccaacct	aatattaaaa	900
tcactctggg	tgtttttata	aaataacctat	gtctggggcc	taataccaga	tcttctggtt	960
tggttggtgg	agtgaagccc	gtgttctctga	tgatctgacc	actctcatac	atttctgtct	1020
gtgcttctct	tagcctaaaa	tgctctgtgc	tttttttcca	actcatgaat	tcttatctat	1080
tcgaatttat	agggtggactg	tcacttcctc	aagaaagcct	ccatcagtta	cccagggtta	1140
gtgtattagg	gtcagtcctag	cagagcagta	ggtaacgtga	actaaaggca	tagagacctg	1200
agtgtgaatg	tcttactttg	atctttctta	accagggggac	tttgaacatt	ttcttaagcc	1260
tgttgagcct	cattgtggtg	atcatgaaaa	gggaaagtct	taaagcatgt	cacatagggg	1320
tgatgtgaga	attaagaaaa	ttaccatatg	tatgcttcct	agctggtagt	acatgtccat	1380
ttaataatct	ctccttctgg	tggcgggcac	ctgtaattcc	agctacttgg	gaggctgagg	1440
caggagaatg	gcgtgacacc	gggagggcga	gcttgacgtg	agccgagaca	gcgccactgc	1500
actccagcct	gggcgacagc	gagactccgt	ctcaaaaaaa	aaaagaaaaa	a	1551

```
<210> 9128
<211> 121
<212> DNA
<213> Homo sapiens
```

```
<400> 9128
gataggtgcc aagaagaaaa aaaaattaac agaaaagaag gatttgaaat atgaagaact    60
agagaagcct tggtgagaat gggacattgg aaaaaggact ggaagaaagt gaaggagctg   120
g                                                    121
```

```
<210> 9129
<211> 2200
<212> DNA
<213> Homo sapiens
```

<400>	9129						
tttttttttt	ttgttgactg	ggctcaagtg	atgctccccc	ctcaccctcc	tgagtagctg		60
ggagtagctg	ggactacagg	tgtgtgtcac	cacacctggc	taagtttttt	tgtgtgtgtt		120
ttttgagtag	agatgggggt	ttgccatgtt	gcctgaactg	gtcacactcc	taggctcgag		180
cagtcctcct	gccttggcct	cccaaagtgc	tgggattatg	tgtgtgagcc	accacaccta		240
gcctacattc	tttttaaaatt	ttttgttttt	agttgacctt	taatacttgt	agaaagacaa		300
agaatacagt	gtgatgtttc	agtgcataata	tgcattgtat	aaggatcaaa	tgagggtaat		360
tatatccatc	actaagcatt	tatcatattt	ttgttgttgt	aatattcaaa	atcttctctt		420
ctagctgtct	tgaattgtct	atcacattgt	tatttgcctg	actcacctta	ctgtgtaatg		480
gaacaccaga	acttattctt	cctgtctgat	tgtaaactta	taccattga	aacaacttct		540
catggtcccc	cccttcccc	atactcccca	gccataggta	accactgttc	tattctctgc		600
ttctgtgaaa	tcaactttta	aaattcaagg	gtgaaattac	acagtgtttg	cctttctgtg		660
ccttgctatt	tcaacttaaca	taatggcctt	taggttcatt	catattacca	caaacgacgg		720
agaatatatt	tgtttataat	gttccatttt	gtgtgtgtgt	atacacggac	acacggcatt		780
ttctttgttc	attcatctgt	agatgggtgt	ttaggttgat	tcatgtcctg	actattgtga		840
atggcactgc	agtaaacatg	ggagtgcaat	tatctcttca	ataactgat	ttcatttccc		900
tttgatata	cacccaaaag	catagggaac	aaaagcaaaa	acagacaaa	gggattacat		960
caaactacaa	agcttctgca	cagcaaaagg	aacaaacaat	atagatcgaa	gagacaacct		1020
gaagaatagg	agaaagtact	tgtaaacttt	atgcattctg	caaagagtta	atatccagaa		1080
catataagga	actcaactca	atagaaaaaa	aattcagtta	aaaaatgggc	aaaagacctg		1140

cgtagacatt	tctaaaaaga	acacatacaa	atggctgaca	gatatatgaa	aatatgctta	1200
acatcactaa	ttatcaggaa	aatgcaaata	aaaaccacag	tgagatacta	cctcacccca	1260
gtcagaatgg	ctgtttctcaa	aaagacaaaag	gataacaaat	gttggaagg	atgtggagaa	1320
aggggaactc	ttatgcactt	ttgggtgagaa	tgtaaattag	tacaactatt	atgggaaaca	1380
gtatggaggt	tctcccgct	ccccagagg	caggttctct	ctctgttgcc	caggctggag	1440
tgcatgggtg	taatcatagc	tcgcttgccc	tcaaacttat	gagctcaagt	catcctcttg	1500
cctcagcctt	ctgagtagct	gggactatag	gtgtgtgcca	cgctcatctag	ttagttctta	1560
atTTTTtGta	gagacagtgt	cttgctatgt	ttcacaagct	ggtcttgaac	ttctggcctc	1620
aagcaatcct	cctccattgg	cctcccaaag	cactgggctt	tataagcatg	agccacccta	1680
cccagctgga	ggttcttcac	aaaaaaagat	tggtatatata	tccaaagaaa	ataaataata	1740
cattctttca	tagcaaaaga	gaggatcagc	atatattaaa	gagtgccttat	tttaccactg	1800
aacaagttgt	aaaagtagac	gttcttaagc	tcatgagcct	gtggtaaata	ctaggtagtc	1860
actcaaaatg	tgtagatttc	aagcatactt	tggaactttg	aagtagacac	atgagattgt	1920
agcacggaat	cctaaaatcc	taggccaaaag	aagactttta	gaaatcatag	ttcatactgt	1980
ttcttttatg	caggatttag	ctaattccatc	ttagaaaaaa	aaagcaagac	tatttttaat	2040
atccagaaat	acatattata	gtcattggcg	actggccttg	agggggcata	acaaaacatg	2100
gttgtagtgc	agtgatactg	caattgatga	aatgttgcta	tttagaaaca	gtaaaaggaa	2160
gccccagaa	gttaaaaata	cctgttggac	actaaaaaaa			2200

<210> 9130  
 <211> 2200  
 <212> DNA  
 <213> Homo sapiens

<400> 9130						
tttttttttt	ttgttgactg	ggctcaagtg	atgctcccc	ctcacccctc	tgagtagctg	60
ggagtagctg	ggactacagg	tgtgtgtcac	cacacctggc	taagtttttt	tgtgtgtgtt	120
ttttgagtag	agatgggggt	ttgccatgtt	gcctgaactg	gtcacactcc	taggctcgag	180
cagtccctct	gccttggcct	cccaaagtgc	tgggattatg	tgtgtgagcc	accacacctc	240
gcctacattc	tttttaaatt	ttttgttttt	agttgacctc	taatacttgt	agaaagacaa	300
agaatacagt	gtgatgtttc	agtgcataata	tgcatgttat	aaggatcaaa	tgagggtaat	360
tatatccatc	actaagcatt	tatcatttat	ttgttgtggg	aatattcaaa	atcttctctt	420
ctagctgtct	tgaatgtct	atcacattgt	tatttgctgt	actcacctta	ctgtgtaatg	480
gaacaccaga	acttattctt	cctgtctgat	tgtaacttaa	taccattga	aacaacttct	540
catggctccc	cccttcccc	atactcccca	gccataggta	accactgttc	tattctctgc	600
ttctgtgaaa	tcaactttta	aaattcaagg	gtgaaattac	acagtgtttg	cctttctgtg	660
ccttgctatt	taacttaaca	taattggcct	taggttcac	catattacca	caaacgacgg	720
aagaatatct	tgtttataat	gttccatttt	gtgtgtgtgt	atacacggac	acacggcatt	780
ttctttgttc	attcatctgt	agatgggtgt	ttaggttgat	tcattgtctg	actattgtga	840
atggcactgc	agtaaaccatg	ggagtgcatt	tatctcttca	atatactgat	ttcatttccc	900
tttgatata	cacccaaaag	cataggggaac	aaaagcaaaa	acagacaaat	gggattacat	960
caaactacaa	agcttctgca	cagcaaaggga	aacaaacaat	atagatcgaa	gagacaacct	1020
gaagaatagg	agaaagtact	tgtaaaacttt	atgcatctga	caaagagtta	atatccagaa	1080
catataagga	actcaactca	atagaaaaaa	aattcagtta	aaaaatgggc	aaaagacctg	1140
cgtagacatt	tctaaaaaga	acacatacaa	atggctgaca	gatatatgaa	aatatgctta	1200
acatcactaa	ttatcaggaa	aatgcaaata	aaaaccacag	tgagatacta	cctcacccca	1260
gtcagaatgg	ctgtttctcaa	aaagacaaaag	gataacaaat	gttggaagg	atgtggagaa	1320
aggggaactc	ttatgcactt	ttgggtgagaa	tgtaaattag	tacaactatt	atgggaaaca	1380
gtatggaggt	tctcccgct	ccccagagg	caggttctct	ctctgttgcc	caggctggag	1440
tgcatgggtg	taatcatagc	tcgcttgccc	tcaaacttat	gagctcaagt	catcctcttg	1500
cctcagcctt	ctgagtagct	gggactatag	gtgtgtgcca	cgctcatctag	ttagttctta	1560
atTTTTtGta	gagacagtgt	cttgctatgt	ttcacaagct	ggtcttgaac	ttctggcctc	1620
aagcaatcct	cctccattgg	cctcccaaag	cactgggctt	tataagcatg	agccacccta	1680
cccagctgga	ggttcttcac	aaaaaaagat	tggtatatata	tccaaagaaa	ataaataata	1740
cattctttca	tagcaaaaga	gaggatcagc	atatattaaa	gagtgccttat	tttaccactg	1800
aacaagttgt	aaaagtagac	gttcttaagc	tcattgagcct	gtggtaaata	ctaggtagtc	1860
actcaaaatg	tgtagatttc	aagcatactt	tggaactttg	aagtagacac	atgagattgt	1920
agcacggaat	cctaaaatcc	taggccaaaag	aagactttta	gaaatcatag	ttcatactgt	1980
ttcttttatg	caggatttag	ctaattccatc	ttagaaaaaa	aaagcaagac	tatttttaat	2040
atccagaaat	acatattata	gtcattggcg	actggccttg	agggggcata	acaaaacatg	2100



catgttcattg	ataagatttt	gagtatacgt	gggtctattt	gtaaaattat	ttttaacttt	1200
gcattctctca	aaatcatacc	atttgttttt	aaagtaaggg	agataaggag	ttccataaga	1260
caaaccacaa	gtttaattag	tacttaatat	ttatttcttt	gcaggggcaa	atgtttcagt	1320
tctgtggcaa	gaattgttct	gatgaatata	agaaaataaa	taatgtaatg	gcaatgtgtg	1380
aattattgtaa	aattgagaaa	attgtaaagg	agactgttcg	gttctcaggt	gctgacaagt	1440
cattctgtag	tgaaggtaaa	gacagaagat	tatcttacct	actgagcatg	ttggttgttt	1500
taaagcagtt	gatgatgatt	taagctttca	ctgtctaagt	taatctgttt	tattgtttat	1560
gtataacgta	aatgcctttt	cgattcattt	acacttagtt	cattcttttt	tgatctagtt	1620
ttcttatatt	atgtagctgt	taaaatgaag	tgaaagattt	gcaaagtata	atgcacgaag	1680
aagatgatgt	gaaaaacatt	taacatcctt	aggttcccca	ttattaggtt	gatcgggacc	1740
tcaaagagct	tctagtctgt	gtacttattt	ctaaatggga	tgccctaaat	tatggtaaca	1800
ttctaagttt	atacttttat	tgtcttaaac	agccattata	tttctgaata	taaatggctt	1860
gaatatgcaa	attaatatgt	ggaagattgt	tttcttaga	taactcttct	atatgtttat	1920
aatgttttat	tttactctaa	agctgtatta	gccttctaga	gcaagggtt	tcaaaccctt	1980
tgataacacc	aaagaagaaa	tacattttaca	ctgtgaccca	gtatattttc	acatacctaa	2040
ataaaagttt	tttttgtttt	tgtttttgtt	ttttgagaca	gagtcttgct	ttgtcaccca	2100
ggctggaatg	ccatggagcg	atcttggtct	actgcaacct	ctgcctcctg	gggtcaagcg	2160
attctcctgc	ctcaacctcc	cgagtagctg	ggactacagg	cacccgccac	cacacctggc	2220
taatttttgt	attttttagt	gagacagggc	ttcaccatgt	tgccagagct	ggtctccaac	2280
tcctgacctc	aggatgatcc	cccacttttg	cctcccagag	tgctgggatt	acaggtgtga	2340
gccactacgc	ccagcccaaa	aagtttcatg	aaataaaaatc	gatgcagttt	aatattttct	2400
cttctgtgct	atcctgtctt	atatcattta	aaacaaaaaac	aaaaacaaag	caaaacaaaa	2460
actagtatat	atactctaaa	aaatcaagat	actctgtgaa	ctgggtcagga	cccaagtgtg	2520
aaaactttgt	cctagaccac	ttatttttct	tttttttgtt	tttgttttta	tttgacatgg	2580
ggtcttgcca	tggtgcccag	gctgggtctc	aactcctggg	ctcaagcact	cctcccgcc	2640
gcctcccaaa	gtgttgggat	tacaggtgtg	agccactgca	ccgggcctgt	cctaggccat	2700
ttaaagttgc	agaaaactaa	tacttctacc	taatgttaat	tttatctttc	ctgattttta	2760
ggttgcaaat	tgcttttata	acatgacttg	gcaaaacgct	ggggaaatca	ctgtaaaatg	2820
tgagatttat	gtttacagac	atctcccaaa	ttggtacaga	ataatttagg	agggaagtgt	2880
gaagatttct	gtgtgaaga	atgcattgtc	aaatatacac	tttgtttcta	tcaggtaaat	2940
agaattcaca	ttcttggtt	tttcatctta	gggcataaat	tattcccttt	taaaatttca	3000
tgtcacataa	aggacaattt	aattatttta	aacttttaag	tattaaatgt	tttatgcctt	3060
ctagcaatta	atataagatt	tagaaaagact	ttaatgttat	tgaagttttc	ttttgttttt	3120
aatttctctg	aggagacata	tcagtcttaa	gacattaaaa	tatttaaact	tataatttta	3180
ttcacttatt	atttaaataa	agtgaatttg	tcttctgaag	tctgaggaag	atagacctta	3240
tttttatatt	actttgtttt	ttaattgcta	tagagtgaag	tctgtatgtt	acatgtgttt	3300
tttaaaaaaa	attagtataa	aatcagctgg	gcgcggtggc	tcacgcctgt	aatcccagca	3360
ctttgggagg	ccgaggcggg	tggatcatga	ggttaggaga	tcgagaccat	cctggctaac	3420
atggtgaaac	ccgctctcta	ctaaaaatca	aaaaaaatta	gctgggtgtg	gtggcgggcg	3480
cctgtagctc	cagctacctg	ggaggctgag	gcaggagaat	tgcatgaacc	caggaggttg	3540
agcttgagct	gagctgagat	cacgccactg	cactccagcc	tggtcgatag	agcaaggctc	3600
tgtctcaaaa	aaaaaaaaaa	atatatatat	atatgtgtgt	gtgtgtgtgt	gtgtgtgtgt	3660
ataatcattg	ataaagacaa	actaattttt	tgatctaaat	tctaagttaa	tttcgtcact	3720
tgttatgtgt	gtcttatttt	tattttgtca	gaccacagat	aatttgtttc	ttactccttg	3780
actaccttct	tcttttttag	tggccaaatg	tgatgcttgt	aagcgacagg	gtaaactcag	3840
tgagtccttg	aaatggcgag	gggaaatgaa	acatttctgt	aacctgcttt	gtatcttgat	3900
gttctgtaat	cagcaaaagt	tatgtgacct	gccttcacaa	aataatgcag	gtaaaattaa	3960
ccttaggtac	tgaatggagt	ctttgggtcaa	tactaggaac	tactgttctt	ttacagatca	4020
ggaactgtgt	aaacagttgt	cattaatttt	atgaaacctc	agtttctctg	tattctgtat	4080
caataacatt	tagctttttt	tggtgaacac	cttattttcac	tgctgtccgt	gtgaagagac	4140
caccaaacag	gctttgtgtg	agcaacaagg	ctgtttattt	cacctgggtg	caggcggtct	4200
gagtctgaaa	agagtcagtg	aaggagagtg	gggtggggcc	gttttataag	atttgggtag	4260
gtaaaggaaa	aaggggggtt	gttctctggc	gagcaggagt	gggggtcaca	aagtgtcag	4320
tgggggagct	ttttgagcca	ggatgagcca	ggaaaaggaa	tttcacaagg	taatgtcatc	4380
agttaaggca	ggaacaggcc	attttcactt	cttttgtgtt	ggaatgtcat	cagttaaggc	4440
aggaaccggc	catctggatg	tgtacctgca	ggtcagaggg	gatatgatgg	cttagcttgg	4500
gctcagaggc	ctgacacctt	agattaaagc	tgagtaaaaa	tgagtttttg	attaaataga	4560
tttctttgag	aatattgaat	caaataaact	ctgtaagaac	ttaaatttat	gggaaaggat	4620
aacagttaat	ggtttgtaat	tgagtataat	tggcttctct	aaaaaatcct	ttgagactac	4680
ttataacaaa	agacataaag	tcaaaatcac	atggcctttt	aaatatacca	tgtgcaggcc	4740
agatgtgatg	gttcatgcct	gtaatcccac	cgcctttgga	atgctgaggt	gggaggacgg	4800

cttgaggcca	ggagttcagg	ggtggagtga	gcggtgacca	cagcacagca	atcccagctg	4860
gatgatata	tgagaccctg	cctctaaaaa	attaaaaata	aataaaaacta	tatgtcgtgg	4920
gcggtactag	ttggggccag	tgtcacgggc	tgtaaaaggaa	tttaccaaga	cagtcacagg	4980
taaaggcaga	tttattggag	aaagtgtgaa	aatatgttgc	aagggtgcag	tgagcagcac	5040
agcagagaag	gggaagtctg	caaagacgca	gcggttgag	ggacgtttta	catggtcctg	5100
ctggagggga	ctgcttgcat	aatgtagccg	tgctcctggg	gctacctgta	ggaggtcatc	5160
tctcagagta	attactcatt	gttctcccc	acctgggccc	cttctctttt	gttgcttact	5220
taccttgtca	ggacttactt	atcttatcag	gactacacac	tatgtgctag	gccactttat	5280
ctcagaaaat	ttattattta	aaaacaacac	tagtatcatc	ctgaaagcta	gaagaattta	5340
agtgtagtct	ccttacaat	aaaagcaaaa	tctacaagag	cctactccaa	aacttaaaaa	5400
aaaattat	ctatataaag	gcaagattta	agaaaaacat	taggctgaat	tgtccattaa	5460
atctaacctg	tgatcttcat	tggtattgtg	tgtttgagga	tttgcatgtg	tggtttttaa	5520
gttggttttt	aagttagact	atttgttgcc	ttttttatgt	aaagataaag	ttaatagaaa	5580
actttcaagt	tttactaatt	aaaaagtaga	aaaccagggt	atgggtggctc	atgcctgtaa	5640
tctcagcagt	ttgggaggct	gaggcaggcg	gatcacgagg	tcaggagttt	gagaccatcc	5700
tggtccaat	ggtgaaaccc	cgtctctact	aaaatacaaa	aaattagctg	ggtgtggtgc	5760
tgcgcacctg	tagtcccagc	tacttgggag	gctgaggcag	gggaatcgct	tgaacccggg	5820
aggtggagg	cgctgtgagc	tgatatcgct	ccactgcact	ccagcctggg	cagcagagtg	5880
agactctgtc	tcaaaaagaa	aaaaaaaaaag	aagaaaacca	aaacccagtt	aatcctaaag	5940
tgactttttg	ctccaacaga	aattactcaa	acctgaaaac	attgttttaac	ttccttgaaa	6000
tggtttctgt	gtaagtacat	ataaatcacg	tgagggttcc	ttatttttgt	ttattttta	6060
cagcaaatat	ttccatgggt	caagctgctt	cagcaggacc	tccatctctg	agaaaagatt	6120
cgactccagt	tatagccaat	gtagtatcat	tggtcaagtgc	ccctgctgct	cagcctacag	6180
tgaattctaa	cagtgtctta	caaggatatg	cttgattggg	aagcatttat	ctagcctatt	6240
taggttgaat	gcagtggctc	cctaacttcc	tttcatcagg	gattattttc	atacatttga	6300
cacattcaat	attaggaata	gtggcttgct	gctcaagt	catatctcat	acttttagatt	6360
gctagtttct	tccgttgaga	ttaaaaaaac	acatgttctt	agtatgaggg	tttgtgttta	6420
tgtactgata	atcagctttt	aatgctaata	ttaaaaata	tgtaaagatc	ataaatttat	6480
gttttaattt	atatcaagg	gcagttccaa	cagtaacagc	gaaaatcatc	ggtgatgtaa	6540
gttttattac	ttttattggt	attgtcactg	tatttatttt	tcattttcat	acagtataaa	6600
tatgtgtgaa	ctaatttgcc	ctccttcttt	attatatgaa	atagatttca	ttagctcatt	6660
taatctttgt	tcaggaatag	gattttcttg	ctattttaa	aggtctttta	tgtactttta	6720
tatctttgaa	tgctggctat	gtagttactg	aaagtttttc	tttaattaca	caaaattgaa	6780
gtaaattgta	caggatttag	gcctgaaaga	cttttgatg	ttttgtgatg	tactcagatt	6840
ataaataaaa	tgtttatata	atgtagctta	tcctccctct	gaccatttac	agattatact	6900
gtaaaaaaa	attctttttt	taacccatta	atattttctg	ctttgtctct	taaaagaaga	6960
aaataaataa	tgagaaaaac	ttctgactgg	aacagtggca	tttctaaggt	gtttctccag	7020
gtttctggga	taactttcac	gttgctctta	ttcaagttac	ttaaatgatc	ataagtatt	7080
ctgttatttc	tagttatctt	gaatctctca	agtcctctgt	gtcttaata	ggaagtaaga	7140
attctcattt	taaacttagc	cagcattggt	attgatcagc	agtgtgttac	aatagaaata	7200
gcatttttct	tggtaaaatg	aaattgtgat	tagagacatg	cagagtaata	tatagttatt	7260
aaaacattcc	ttgattacta	ttaatatttt	aggagtattg	tatttcttat	acatttggtt	7320
gaatattttac	ttgctatgtc	ctccatgtaa	ttccaatatg	acatttcctt	taatattata	7380
atattttctta	taattacaat	gagattttta	aaaatgtttt	tggtttctaa	tttgtttttt	7440
tactaggcaa	gtactcaaac	agatgccctg	aaactgccac	cttcccaacc	tccaaggctt	7500
ttgaagaaca	aagctttatt	atgcaaacc	atcacacaga	ctaaagccac	ctcttgcaaa	7560
ccacataccc	aaaacaaaga	atgccagaca	g			7591

<210> 9134  
 <211> 7595  
 <212> DNA  
 <213> Homo sapiens

<400> 9134						
acgcaacttc	tgcagctaca	gctgtgtggt	agctttccag	gtatggcttc	aggaaccttc	60
ctcttcttca	gtcagtgagt	cacctactgt	atgagtctgt	tcttgcactc	ctctaaagaa	120
ataccctaga	ctgggtaatt	tataaagaaa	gagggtttaa	tggtctcacag	ttccacaggc	180
tgtacaggta	gcatggctgg	agaggcctca	ggaaactttc	aattatggcg	gaaggcgaag	240
gggaagccgg	catgtcttac	atgatgggct	caagaggaag	agagagaagc	gggaggtgct	300
acacttttaa	acaaccagat	agtgagaact	cactatcacc	agaacagcag	gggagaaatc	360



cacccecatg	atccagtcac	tccctgccag	gtccctcccc	caacattggg	gattaccgac	420
tggacatgag	at ttgggcag	ggacacgaat	tcaaacctat	cacctactat	agtaatgcac	480
at ttattagg	tgtttgctag	ggcctgggtt	gtataagttt	ctatatcatt	cctattaaac	540
ttggattttgt	agttcattct	gtatttggaa	tttaatttaa	ctgccttcta	taaaattgaa	600
tggtactttt	atcacccata	ttatctattg	ggaggatatt	at tttttgagg	aagattatta	660
gttaagttat	tttatttttt	catcataaat	gagactcccc	ccattccgta	ataagctgct	720
cagaggcagg	aacattgcct	gttaacagat	gtaccttaca	tgcctagaac	tgtgcttggc	780
atatgtaggc	acacaatact	tctttgtttt	aacaaagatt	aaattgatac	tttttgttgt	840
tttgtttttc	cagaatttat	tcaacaaacc	aactggaaatg	aattcttcag	tagtgcctct	900
gtctcagggc	caagtaattg	taagcatccc	cacaggttcc	acagtgtcag	cgggaggagg	960
tagcacatct	gctgtttctc	ccacctccat	cagtagctct	gctgcagctg	gtctccagcg	1020
tctcgctgcc	cagtcccagc	atgttgggtt	tgcacgaagt	gttgtgaaac	tcaaagtgtca	1080
acactgtaac	cgtctttttg	ccacaaaacc	agaacttctt	gactataagg	taaagtatag	1140
catgttcatg	ataagatttt	gagtatacgt	gggtctattt	gtaaaattat	ttttaacttt	1200
gcatctctca	aaatcatacc	at ttgtttttg	aaagtaaggg	agataaggag	ttccataaga	1260
caaaccaaa	gtttaattag	tacttaatga	ttat tttctt	gcaggggcaa	atgtttcagt	1320
tctgtggcaa	gaattgttct	gatgaatata	agaaaaataa	taatgtaatg	gcaatgtgtg	1380
aatattgtaa	aattgagaaa	at ttgtaagg	agactgtctg	gttctcagggt	gctgacaagt	1440
cattctgtag	tgaaggtaaa	gacagaagat	tatcttacct	actgagcatg	ttggttgttt	1500
taaagcagtt	gatgatgatt	taagctttca	ctgtctaaat	taatctgttt	tatgtttatg	1560
tataacgaaa	tgcctttttc	at tcat tttac	acttagttca	ttcttttttg	atctagt ttt	1620
cttatattat	gtagctgtta	aaatgaagtg	aaagatttgc	aaagtataat	gcagaagaag	1680
atgatgtgaa	aaacatttaa	catccttagg	ttccccatta	ttaggttgat	cgggacctca	1740
aagagcttct	agttcgtgta	cttattttcta	aatgggatgc	cttaaatgat	ggtaacattc	1800
taagtttata	cttttattgt	cttaaacagc	cattatattt	ctgaatataa	atggcttgaa	1860
tatgcaaaat	aatatgtgga	agattgtttt	ccttagataa	tcttctata	tgtttataat	1920
gttttatttt	actcaaaagc	gtatttagcc	tcttagagca	agggtcttca	aaccttttga	1980
taacacccaaa	gaagaaatac	at tttaactg	tgaccagta	tattttcaca	tacctaaata	2040
aaagtttttt	ttgtttttgt	ttttgttttt	tgagacagag	tcttgctttg	tcaccaggc	2100
tggaatgcca	tggagcgatc	ttggctcact	gcaacctctg	cctcctgggt	tcaagcgatt	2160
ctcctgcctc	aacctcccga	gtagctggga	ctacaggcac	ccgccaccac	acctggctaa	2220
tttttgattt	tttagtagag	acagggtctc	accatgttgg	ccaggctggt	ctccaactcc	2280
tgacctcagg	tgatccaccc	actttggcct	cccagagtgc	tgggattaca	ggtgtgagcc	2340
actagcccca	gccccaaaag	tttcatgaaa	taaaatcgat	gcagtttaat	at tttctctt	2400
ctgtgctatc	ctgtcttata	tcatttaaaa	caaaaacaaa	aacaagcaa	aacaaaaact	2460
agtagagata	ctctaaaaaa	tcaagatact	ctgtgaactg	gtcaggaccc	aagtgtgaaa	2520
actttgtcct	agaccactta	tttttctttt	ttttgttttt	gtttttat t	gacatgggggt	2580
cttgccatgt	tgcccaggct	gggtctcaaac	tcctgggctc	aagcactcct	cccgccagcc	2640
tcccaaagtg	ttgggattac	aggtgtgagc	cactgcaccg	ggcctgtcct	aggccattta	2700
aagttgcaga	aaactaatac	ttctacctaa	tgttaat ttt	atctttcctg	at ttttaggt	2760
tgcaaattgc	tttataaaca	tgacttggca	aaacgctggg	gaaatcactg	taaaatgtgc	2820
agttatttgt	tacagacatc	tcccaaattg	gtacagaata	at tttaggag	gaaagtgaa	2880
gagt tctgtt	gtgaagaatg	cattgtccaa	tatacagttt	tgttctatca	ggtaaataga	2940
at tccacttc	ctgggttttt	cat tcttagg	cataaattat	tcccttttaa	aat tttcatgt	3000
cacataaagg	acaatttaat	tattttaaac	ttttaagtat	taaatgtttt	atgccttcta	3060
gcaattaata	taagattttag	aaagacttta	atgttattga	agttttcttt	tgtttttaat	3120
ttcctgtagg	agacatatca	gtcttaagac	attaaaaat	ttaaacttat	aat tttattc	3180
acttattatt	taaataaagt	gaatttgtct	tctgaagtct	gaggaagata	gacctatttt	3240
ttattttcact	ttgtttttta	at t gctatag	agtgaagtct	gtatgttaca	tgtgttttta	3300
aaaaaaaaat	agtataaaat	cagctggggc	cgggtggctca	cgctctgta	cccagcactt	3360
tgggaggccg	aggcgggttg	atcatgaggt	taggagatcg	agaccatcct	ggctaacatg	3420
gtgaaacccc	gtctctacta	aaaatacaaa	aaaattagct	gggtgtgggtg	gcgggcgcct	3480
gtagtcccag	ctacctggga	ggctgaggca	ggagaattgc	atgaacccag	gaggtggagc	3540
ttgcagtgag	ctgagatcac	gccactgcac	tccagcctgg	gcgatagagc	aaggctctgt	3600
ctcaaaaaaa	aaaaatatat	atatatatat	gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	3660
gtgtataatc	attgataaag	acaaactaat	tttttgatct	aaattctaag	ttaatttcgt	3720
cacttgttat	gtgtgtctta	tttttatttt	gtcagaccac	agataattttg	tttcttactc	3780
cttgactacc	ttcttctttt	tagatggcca	aatgtgatgc	ttgtaaagca	cagggtaaac	3840
tcagtga gtc						

atcaggaaact	gtgtaaacag	ttgtcatttaa	tttcatgaaa	cctcagtttct	cttgtatttct	4080
gtatcaataa	catttagact	tttttgttga	acaccttatt	tcactgtcgt	ccgtgtgaag	4140
agaccaccaa	acaggctttg	tgtgagcaac	aaggctgttt	atttcacctg	ggtgcaggcg	4200
gtctgagtct	gaaaagagtc	agtgaaggga	gatgggggtg	ggccgtttta	taagatttg	4260
gtaggtaaag	gaaaaagggg	ggttgttctc	tggcgagcag	gagtgggggt	cacaaagtgc	4320
tcagtggggg	agctttttga	gccaggatga	gccaggaaaa	ggaatttcac	aaggtaatgt	4380
catcagttaa	ggcaggaaca	ggccattttc	acttcttttg	tgttggaaatg	tcactagtta	4440
aggcaggaac	cggccatctg	gatgtgtacc	tgcaggtcag	aggggatatg	atggcttagc	4500
ttgggctagg	caggctgaca	ccttagatta	aagctgagta	aaaatgagtt	tttgattaaa	4560
tagatttctt	tgagaatatt	gaatcaaata	aactctgtaa	gaacttaaat	ttatgggaaa	4620
ggataacagt	taatggtttg	taattgagta	taattggctt	ccttaaaaaa	tcctttgaga	4680
ctacttataa	caaaagacat	aaagtcaaaa	tcacatggcc	ttttaaatat	accatgtgca	4740
ggccagatgt	gatggttcat	gcctgtaatc	ccaccgcctt	tggaaatgctg	aggtgggagg	4800
acggcttgag	gccaggagtt	caggggtgga	gtgagcgggt	accacagcac	agcaatccca	4860
gctggatgat	atagtgaagc	cctgcctcta	aaaaatttaa	ataaaaaaaa	actatatgtc	4920
gtgggctgta	ctagttgggg	ccagtgctac	gggctgtaaa	ggaaattacc	agacagatca	4980
taggttaaag	cagatttatt	ggagaaagtg	tgaaaatatg	ttgcaagggt	gcagtgaagc	5040
gcacagcaga	gaaggggaag	tctgcaaaga	cgcagcggct	tgaggggacgt	tttcatgggt	5100
cctgctggag	gggactgctt	gcagaatgta	gccgtgctcc	tggggctacc	tgtaggaggt	5160
catctctcag	agtaattact	cattgttctc	ccccacctgg	gccccttctt	ctttgttgct	5220
tacttacctt	gtcaggactt	acttatctta	tcaggactac	acactatgtg	ctaggccact	5280
ttatctcaga	aaattttatta	tttaaaaaa	acactagtat	catcctgaaa	gctagaagaa	5340
tttaagtgtg	gtctccttac	aaataaaagc	aaaatctaca	agagcctact	ccaaaacctta	5400
aaaaaaaaat	tttcttatat	aaaggcaaga	tttaagaaaa	acattagggt	gaattgtcca	5460
ttaaatctaa	cctgtgatct	tcattgggat	tgtgtgtttg	aggatttgca	ttgttggttt	5520
ttaagttggg	ttttaagtta	gactatttgt	tgcctttttt	atgtaaagat	aaagttaata	5580
gaaaactttc	aagttttact	aattaaaaag	tagaaaaacca	gggtatgggtg	gctcatgcct	5640
gtaatctcag	cacttttgga	ggctgaggca	ggcggatcac	gaggtcagga	gtttgagacc	5700
atcctggcca	acatgggtgaa	accccgctct	tactaaaaa	caaaaaatta	gctgggtgtg	5760
gtgtgcgcga	cctgtagctc	cagctacttg	ggaggctgag	gcaggggaat	cgcttgaacc	5820
cgggaggtgg	aggctcgctg	gagctgatat	gtgccactg	cactccagcc	tgggcagcag	5880
agtgagactc	tgtctcaaaa	agaaaaaaaa	aaagaagaaa	accaaaaccc	agttaatcct	5940
aaagtgactt	tttgtctcaa	cagaaattac	tcaaacctga	aaacattggt	taacttcctt	6000
gaaatggttt	ctgtgtaagt	acataataat	cacgtgaggt	ttccttattt	ttgtttattt	6060
taatcagcaa	atatttccat	ggttcaagct	gcttcagcag	gacccccatc	tctgagaaaa	6120
gattcgactc	cagttatagc	caatgtagta	tcattggcaa	gtgcccctgc	tgtcagcctt	6180
acagtgaaat	ctaacagtg	cttaacaagt	atggcttgat	tggaaagcat	ttatctagcc	6240
tatttaggtt	gaatgcagtg	gtcccctaac	ttcctttcat	cagggtattat	tttcatacat	6300
ttgacacatt	caatatattg	aatagtggct	tgtctgcaca	gtttcatatc	tcatacttta	6360
gaattgctag	tttcttccgt	tgaattaaaa	aaacacatgt	tcttagtatg	agggtttgtg	6420
tttatgtact	gataatcagc	ttttaatgct	aatgttaaaa	taattgtaaa	gatcctaagt	6480
ttatgtttta	atttatatca	agggtgcagtt	ccaacagtaa	cagcgaaaat	catcggtgat	6540
gtaagttttg	ttactttttat	tggatattgtc	actgtattta	tttttcattt	tcatacagta	6600
taaatatgtg	tgaactaatt	tgccttcctt	ctttattata	tgaatatagat	ttcattagct	6660
catttaactc	ttgttcagga	ataggattttt	ctggctattt	aaataggctc	tttatgtact	6720
ttaatatctt	tgaatgctgg	ctatgtagtt	actgaaagtt	tttctttaat	tacacaaaat	6780
tgaagtaaat	tgtacaggat	ttaggcctga	aagacttttg	gatgttttgt	gatgtactca	6840
gattataaat	aaaatgttta	tacaatgtag	cttatcctcc	ctctgaccca	ttacagatta	6900
tactgtaaaa	aaaaattcct	tttttaaccc	attaatat	tctgctttgt	ctcttaaaag	6960
aagaaaaata	ataatgagaa	aaacttctga	ctggaacagt	ggcattttcta	aggtgtttct	7020
ccagggtttct	gggataactt	tcacgttgct	tttattcaag	ttacttaagt	gatcataagt	7080
gattctgtta	ttcttagtta	tcttgaatct	ctcaagtcct	ctgtgtctta	atcaggaagt	7140
aagaattctc	attttaaact	tagccagcat	tgttattgat	cagcagtggtg	ttacaataga	7200
aatagcattt	ttcttggtta	atagaaattg	tgattagaga	catgcagagt	aatatatagt	7260
tattaaaaca	ttccttgatt	actattaata	ttttaggagt	attgtatttc	ttatacattt	7320
ggttgaatat	ttacttgcta	tgtcctccat	gtaattccaa	tatgacattt	cctttaatat	7380
tataatattt	cttataatta	caatgagatt	tttaaaaaatg	tttttggttt	ctaatttggt	7440
tttttactag	gcaagtactc	aaacagatgc	cctgaaactg	ccaccttccc	aaccttcaag	7500
gcttt						

<210> 9135  
<211> 2043  
<212> DNA  
<213> Homo sapiens

<400> 9135  
taagatgata gcagtaatga agagaaatgg accttgagtt tcagaaactt gtatttctaatt 60  
ggaccttcaa aagatggcaa gtattgtgtc tgggaattggg gggttcttgg tctcgtgac 120  
ttcaagaatg aagccacgga ccctcgcggt gagtggtaca gttcttaaag atgggtgtgtc 180  
tagagtttgt tccttcagat gttcagatgt ttctggagtt tcttccttct ggtggggttg 240  
tggctcttgt ggcttcagga gtgaagctac agaccttcac ggtgagtgtt gcagtcata 300  
aaggtggcgc ggacccaaag aatgagcagc agcaagattt attgcaaaga gccaaagaac 360  
aaagcttcca cagcgtggta aggggacccg agtgggttgc tgccgctggc tcgggcagcc 420  
tgcttttatt cccttatctg accccaccca cagcctactg attggcccat tttatggaga 480  
gctgattggg ccattttaca gagagctgat tgggtccattt tgacaggggtg ttgattgggtg 540  
cgtttacaat ccctgagcta gacacagagt gctgattggg gtattttacaa tcctctagct 600  
agatgtaaaa gttctccaag tcctcactag attaactaga cacagagcac tgattgggtgt 660  
gtttacaaac cttgagatag acacaggggtg ctaattgggtg tattttacaat ccttttagcta 720  
gacataaagg ttctccaagc ccccaccaga ttagctagat acagagtgtc cattgggtgca 780  
tccacgaacc ctgagctaga cacagagtgc tgattgggtgc atatacagtc ctccagctag 840  
acataaaaagt tctccaagtc gtcacctgac tcaggagccc agctggcttc gcctagtggga 900  
tcccgcgcca gggcgtggg tggagctgcc caccagtccc gcacggcgcc tgcacttctc 960  
agcccttggg cagtcaatgg gactgggtgc cgtggagcag ggggtgatgc ctggtgggga 1020  
ggctcgggtc atgctggagc ccaccgccag ggggctcggc catggcgggc tgcaggtccc 1080  
gagccctgcc ccgcggggag gtggctgagg cctggcgaga gttcgagtgt ggcacgggca 1140  
gtctggcact gctgggggat ccggcgctcc ctggcctggg tgctaagtc ctcactgccc 1200  
ggggccggcc ggcttctctg agtgtggggc ctgccaagcc cagcccacc cagaacttct 1260  
actggcccaa gagcaacgca cgcagcccg gttcccacc gtgcctctcc tccacacct 1320  
ccccgaagc agagggggct ggctccatac ttggccagcc cagagagggg ctcccacagt 1380  
gcagcagcg actgatggg tcctcaaggg tggccagagc agacgccaag gccgaggagg 1440  
cgctgagagc gagcgagggc cgccagcacg ttgtcacctc tcagtatgag tgtgtttag 1500  
tgtatgtgtg aaaggaggtt ttgcaatggg agtatgggat gatgtgttag tcatagttct 1560  
acagagaaat agactatcta tctatctata tctcagagag agagagagag agagattgag 1620  
tgtaaggaat tggctcatgc aattatggag accaagtgcc aagatatgga gacggcaagc 1680  
tggagactca ggagagctgt ggcgtagtag tttctgtcca agtccagagg cctgagaacc 1740  
aggagagcca gtagtataag ttctagtctg aaagctggca ggcccaagac caagaagagc 1800  
ccaagtttca gtttgagtcc cgaagcagga aaagactgat attccatttc aagcagtcag 1860  
acaagtctta tggcagggtc agccttttag ttctcttcag gccatcaact gattggataa 1920  
ggcgactca cattagggag ggcaatttgc ttccaattca gctgtttatc tcatcaaaaa 1980  
acacctcac agacacactt ggaataatgt ttgacaaat gtctggacac tttgtgcccc 2040  
agt 2043

<210> 9136  
<211> 379  
<212> DNA  
<213> Homo sapiens

<400> 9136  
gcactcagag actggactgt gttagctggg aaggatcaca gtctgccagg aaatcagttc 60  
tcaccttcca atgggacagg atttgagggg gggagttggg gtaggagaaa gggagcagag 120  
aggaaaaatt tgtaactgtc atgcaaaagg ccagttaaga gaatctcaac tactctgggc 180  
accaaagagc agcttttagt agatagttga gttggagccg ggagcagcag catcaacaac 240  
agcaacagct gaaatagctt gtgcaggaca ttagagctct tcatgggtag agtgcaggaa 300  
ggccatgaca atggaagcag taatagaaat catacaggga ggaaaatgat gtgcagctta 360  
atatggtgag atgcccagt 379

<210> 9137  
<211> 301

<212> DNA  
<213> Homo sapiens

<400> 9137  
 gggccgggccc cagtgggtca cgctgtaat cccagcactt tgggaggccg aggtggggcgg 60  
 atcacgaggt caggagatcg agaccatggt gaaaccccgt ctctactaaa aatacaaaaa 120  
 aaaaattagc cgggctgtgat ggcggacgct gtagtcccag ctacttggga ggctgaggca 180  
 ggagaatggt gtgaaccacg gaggtggagc ttgcagttag ccgagattgc gccactgcac 240  
 tccagcctgg gcgacagagc gagactccgt ctcaaaaaaa aaaaaaagag agagaaatga 300  
 t 301

<210> 9138  
 <211> 2654  
 <212> DNA  
 <213> Homo sapiens

<400> 9138  
 ccgggcatgg tgggtgcgcac ctgtaatccc agctacccgg gaggtctgagg caggagaatc 60  
 acctgaacct gggaggcgga tggtgcagt agctgagatc atgccattgt actccaccct 120  
 gggcaacaga gcgagactcc gtctcaaaaa aaagacatga gaataaaaca gtttactgca 180  
 tataccaagg catatcagat gtttaggaat tgcatacaat tttggaacac atatcaatac 240  
 aactgtaact caaagaaagc tgaacactat ttcttgtctg acagtgtctt ccattgttga 300  
 aatttgattt gggggaactg tatcagatat caaagggtta aaacactaga tatggccggg 360  
 cgtgggtggc gacacctgta atcccagcac tttgggaggc tgaggcaggc agatcacctg 420  
 aggtcagggg ttcgagacca gcctagctaa catggtgaaa ccccatatct actaaaagta 480  
 caaaaaaatt agccgggccc ggtggcatgc acctgaatgt gagctacttg ggaggctgag 540  
 gcaagagaat cacttgaacc caggaggagg aggttgacgt gagccaagat cagccagtg 600  
 cgctccagca tgggcgacag agcaggggctc ccatctaaaa aaaataaata aataaatgta 660  
 aattaacacg atatcaagat aagaaagggt tgaaatgctc agtgttaaaa taagatcaca 720  
 ggtcattgta aaacagtcac ttaaacaaaag tgataagtca gtgattttta aaaagtcaaa 780  
 acctgtgctc tttgattagc aggagactcc atcaaagagt aagtttgagg agactgtatc 840  
 aaagagtaag actccatcaa agactcactt ttccaaataa gacctaataa aggcagcatg 900  
 agctcaagaa aatctctctc tccctccttt tctttttag tttactcaaa agtaaacaaa 960  
 accttttact atctcctggt aacactacct gaaaatcctg ttcaaaagag aaaacgaaat 1020  
 cctacctttg tatcagtata ttattaatat taaacctaat tttaataaaa tcttacaata 1080  
 aacagatcca tctgagccca gtcagctttg accagataag attttcatga atcttttata 1140  
 aactcttaca attttatttt ttctttctcc aactttttag ttttagctat atcatgtaaa 1200  
 ttttgaacaa atctttaacc tctaacttag gcaaaattac ttttccttta gcaaaactca 1260  
 caccctctc tcttttttat aactttcttc accaaaaaca catcctactt tcattgtata 1320  
 ctttgcatac aagagtgttt cccatgtatc tagtactttt aattacatat attaaactacg 1380  
 attttaactc ttagtagttc taatttcaag tgaaaaacct agaaagtaag tagtagttaa 1440  
 ctggtttatg tctgtatttg tagacaaatc atttcatggt ttcgtagaaa gatatttcta 1500  
 taaaatataa ttgatgccta cttttttggt tattaacaga tctaaagatt attaacagat 1560  
 ctaaatatat ttagcttttt tataccatgt aaaaacaaaa taccaaatga tgtaactaa 1620  
 actaaaacat atctaataat taatgttttt gtatcttaat gtatgtagaa atgactcaaa 1680  
 cattttatga ttatctatta ctttattaaa cctaactatg cttcaaaact ttaaactact 1740  
 gaaaagaatt ttgaaactgc aacacagata cccttcctaa tgtcttcctc agtcatactg 1800  
 agtcgcaact acccagctgg caccacaagta tgattatgaa ggggcagggc ctatctgagt 1860  
 cctgatttta cacaccata atggagccca ggacagagga cagaactgtg aagataatgt 1920  
 ctgactcttc ccaccatagc caggagacaa cagccaggcc agaggaggta ccacatatgt 1980  
 ctgcagtcct cacttggttag agcccagaat ctaatgagtc taatacataa gctcacagac 2040  
 aagtcaataa agcatcaaac atatcacaga agcaatagtt ttatgagctt cagacatcta 2100  
 gtagagaaaag cctaaacctt tctgaccagc agaccaggc aaaaatgtct gattgtgttt 2160  
 aaaactgaca agtctgaaga cattctaatt ttattttacc aacaattaaa aagctaattt 2220  
 tatttctcaa agattactaa aatcacatta acttgaaaaa tatttgggat tattaagcta 2280  
 tgagcattaa tttgtcagtt tggtagcatg taaacaatat acaaacagat ctgtacacat 2340  
 atatacataa aaatacaaac ataagtgaag atttcatagc tttgatataa aaattctagc 2400  
 catgagacaa gtaaaactcg ctatttttaa aggacattgg attcaaagtt cataaataga 2460  
 acaagttcaa gtttattgta tatgcctgaa gcccttacca agtttttaaat aacaagtagc 2520  
 aaatttatat ttcaagcaca gagaatttaa gctttccaaa aggccaattc aattttacgt 2580

tatcttttggc aaaaatcatg ttaacagaat ccaaaacagt aaaacataaa ggccttttctt 2640  
ctacaaaaaa aaaa 2654

<210> 9139  
<211> 2655  
<212> DNA  
<213> Homo sapiens

<400> 9139  
ccgggcatgg tgggtgcgcac ctgtaatccc agctacccgg gaggtgagg caggagaatc 60  
acttgaacct gggaggcgga tgttcagtg agctgagatc atgccattgt actccaccct 120  
gggcaacaga gcgagactcc gtctcaaaaa aaagacatga gaataaaaca gtttactgca 180  
tataccaagg catatcagat gtttaggaat tgcatacaat tttggaacac atatcaatac 240  
aactgtaact caaagaaagc tgaacactat ttcttgtctg acagtgtctt ccatgtttga 300  
aatttgattt gggggaactg tatcagatat caaagggtta aaacactaga tatggccggg 360  
cgtggtggct gacacctgta atcccagcac tttgggaggc tgaggcaggc agatcacctg 420  
aggtcagggg ttcgagacca gcctagctaa catggtgaaa ccccatatct actaaaagta 480  
caaaaaaatt agccgggctgt ggtggcatgc acctgaatgt gagctacttg ggaggctgag 540  
gcaagagaat cacttgaacc caggaggagg aggggttcag tgagccaaga tcacgccagt 600  
gcgctccagc atgggcgaca gagcagggtt cccatctaaa aaaaataaat aaataaatgt 660  
aaattaaaca gatatcaaga taagaaagggt ttgaaatgct cagtgttaaa ataggatcac 720  
aggctcattgt aaaacagtca tttaaacaac gtgataagtc agtgattttt aaaaagtcaa 780  
aacctgtgct ctttgattag caggagactc catcaaagag taagtttgag gagactgtat 840  
caaagagtaa gactccatca aagactcact tttccaaata agacctata aaggcagcat 900  
gagctcaaga aaatctctct ctccctcctt ttcttttgta gtttactcaa aagtaaacaa 960  
aacctttttac tatctctctgt taacactacc tgaaaatctt gttcaaaaaga gaaaacgaaa 1020  
tcctaccttt gtatcagtat attattaata ttaaacctaa ttttaataaa atcttacaat 1080  
aaacagatcc atctgatccc agtcagcttt gaccagataa gattttcatg aatcttttat 1140  
aaactcttac aattttatct tttctttctc caacttttta gttttagcta tatcatgtaa 1200  
attttgaaac aatctttaac ctctaaacta ggcaaaaatta cttttccttt agcaaaactc 1260  
acaccctcct ctctttttta taactttctt caccaaaaac acatcctact ttcattgtat 1320  
actttgcata caagagtgtt tcccatgtat ctagtacttt taattacata tattaactac 1380  
gatttttaact cttagtagtt ctaatttcaa gtgaaaaacc tagaaagtaa gtagtagtta 1440  
actggtttat gtctgtattt gtagacaaat catttcatgg tttcgtagaa agatatttct 1500  
ataaaatata attgatgcct acttttttgt ttattaacag atctaaagat tattaacaga 1560  
tctaaatata tttagctttt ttataaccatg taaaaacaaa ataccaaat atgtaaacta 1620  
aactaaaaca tatctaataa ttaatgtttt tgtatcttaa tgtatgtaga aatgactcaa 1680  
acattttatg attatctatt actttattaa acctaacatg acttcaaaac tttaaactac 1740  
tgaaaagaat tttgaaactg caacacagat acccttccta atgtcttctt cagtcatact 1800  
gagtcgcaac taccacagtg gcacccaagt atgattatga aggggcaggg cctatctgag 1860  
tcctgatttt acacacccat aatggagccc aggacagagg acagaactgt gaagataatg 1920  
tctgactctt cccaccatag ccaggagaca acagccaggc cagagggagt accacatatg 1980  
tctgcagtc tcaattgtta gagcccagaa tctaattgag ctaatacata agctcacaga 2040  
caagtcaaat aagcatcaaa catatcacag aagcaatagt tttatgagct tcagacatct 2100  
agtagagaaa gcctaaacct ttctgaccag cagaccagg caaaaatgtc tgatttgtgt 2160  
taaaactgac aagtctgaag acatttctaat tttattttac caacaattaa aaagctaatt 2220  
ttattttctc aagattacta aaatcacatt aacttgaaaa atatttgga ttattaagct 2280  
atgagcatta atttgtcagt ttggtaccat gtaacaata tacaacaga tctgtacaca 2340  
tatatacata aaaatacaaa cataagtga gatttcatag ctttgatata aaaattctag 2400  
ccatgagaca agtaaaactc gctattttaa aaggacattg gattcaaagt tcataaatag 2460  
aacaagttca agttttattgt atatgcctga agcccttacc aagtttttaa taacaagtag 2520  
caaattttata tttcaagcac agagaattta agctttccaa aaggccaatt caatttttacg 2580  
ttatcttttg caaaaatcat gttaacagaa tccaaaagag taaaacataa aggcctttct 2640  
tctacaaaaa aaaa 2655

<210> 9140  
<211> 463  
<212> DNA  
<213> Homo sapiens

<400> 9140  
cataaaataa gaatattcac aaatagttcc caaatttctgg agaaaatcag gtaaagagga 60  
aggtaaagtgt ttcaacttttc ccacacaaaag tatacttttac ctaattgcta tgagctataa 120  
atgggtcaaaa aaaaatgtgg actctggcaa aacaaatatg agaagaatca acaatgtttc 180  
aaacaaaaag tgattaaaaa atcatttcag tcctctatca gttcagtccc atgtaattaa 240  
ttcctgttct gtttcatgtt ggcttagcaa tcttcattaa cacatcagtt ttttattcga 300  
attttggaat tttttaccta gtccaatggg atcatctcca tagttatctg aaacctgtat 360  
tcaagaatac ttgaatatgg tacaaactcg tattcaaagt cttttccacg aatttctttg 420  
aagacacaca ttttaggatt tggaggggaaa caaagctctt aaa 463

<210> 9141  
<211> 157  
<212> DNA  
<213> Homo sapiens

<400> 9141  
aggctagcta tgtgtatata tatagctatg tgtatatata tatatgtata tatatatagc 60  
tatgtgtata tatatatgta tatatatata gatagcctga atgtcagctt ttaattaagc 120  
taatttctgg ctatagacct ctttcaaaga aaaaaaa 157

<210> 9142  
<211> 463  
<212> DNA  
<213> Homo sapiens

<400> 9142  
cataaaataa gaatattcac aaatagttcc caaatttctgg agaaaatcag gtaaagagga 60  
aggtaaagtgt ttcaacttttc ccacacaaaag tatacttttac ctaattgcta tgagctataa 120  
atgggtcaaaa aaaaatgtgg actctggcaa aacaaatatg agaagaatca acaatgtttc 180  
aaacaaaaag tgattaaaaa atcatttcag tcctctatca gttcagtccc atgtaattaa 240  
ttcctgttct gtttcatgtt ggcttagcaa tcttcattaa cacatcagtt ttttattcga 300  
attttggaat tttttaccta gtccaatggg atcatctcca tagttatctg aaacctgtat 360  
tcaagaatac ttgaatatgg tacaaactcg tattcaaagt cttttccacg aatttctttg 420  
aagacacaca ttttaggatt tggaggggaaa caaagctctt aaa 463

<210> 9143  
<211> 157  
<212> DNA  
<213> Homo sapiens

<400> 9143  
aggctagcta tgtgtatata tatagctatg tgtatatata tatatgtata tatatatagc 60  
tatgtgtata tatatatgta tatatatata gatagcctga atgtcagctt ttaattaagc 120  
taatttctgg ctatagacct ctttcaaaga aaaaaaa 157

<210> 9144  
<211> 184  
<212> DNA  
<213> Homo sapiens

<400> 9144  
cgtgggtggcg ggcgcctgta gtcccagcta ctcgaggaggc tgaggcagga gaatggcgtg 60  
aacctggggc gcgagcttg cagtgcgagc agatcgcgcc actgcactcc agcctggggc 120  
acagagcgag agtccgtctc aaaaaaaaaa aaaaaaaaga aaagaaaaaa gaacaaacaa 180  
cagc 184

a) $\Delta$ (degrees)	
10	0.00
20	0.00
30	0.00
40	0.00
50	0.00
60	0.00
70	0.00
80	0.00
90	0.00
100	0.00
110	0.00
120	0.00
130	0.00
140	0.00
150	0.00
160	0.00
170	0.00
180	0.00
190	0.00
200	0.00
210	0.00
220	0.00
230	0.00
240	0.00
250	0.00
260	0.00
270	0.00
280	0.00
290	0.00
300	0.00
310	0.00
320	0.00
330	0.00
340	0.00
350	0.00
360	0.00

```
<210> 9150
<211> 162
<212> DNA
<213> Homo sapiens
```

<400> 9150  
agctacttgg gaggctgagg caggagaatg gcgtaaccc gggaggcgga gcttgagtg 60  
agccgagatc ccgccactgc actccagcct gggcgacaga gcgagactcc gtctcaaaaa 120  
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagaaca aa 162

<210> 9151  
<211> 193  
<212> DNA  
<213> Homo sapiens

<400> 9151  
aaaaattagc cgggctgtgt ggccggcgcc tgtagtccca gctactcgag aggctgaggc 60  
aggagaatgg cgtgaacccg ggaggcgag cttgcagtga gccgagatcg cgccactgca 120  
ctccagcctg ggcgacagag cgagactccg tctcaaaaaa aaaaaaaaaa aaaaaaaga 180  
tcagaaaaaa ata 193

<210> 9152  
<211> 98  
<212> DNA  
<213> Homo sapiens

<400> 9152  
tgtgaacctg ggaggtggag cttgcagtga gcggagatcg tgccactgca ctccagcctg 60  
ggtgacagag tgagactcca tctcaaaaaa aaaaaagg 98

<210> 9153  
<211> 153  
<212> DNA  
<213> Homo sapiens

<400> 9153  
cccagctact cgggaggctg aggcaggaga atggcggtgaa cccgggaggc ggagcttgca 60  
gtgagccgag atcgcgccac tgcactccag cctgggagac agagcgagac tccgtctcaa 120  
aaaaaaaaaa aaaaaaaga aagcagtggg gcc 153

<210> 9154  
<211> 202  
<212> DNA  
<213> Homo sapiens

<400> 9154  
tactaaaaat acaaaaaatt agccgggctg agtggcgggc gcctgtagtc ccagctactc 60  
gggaggctta ggcaggagaa tggcgtgaac ccgggaggcg gagcttgagc tgagccgaga 120  
tccccccact gcactccagc ctgggagcaga gagcgagact ccatctcaaa aaaaaaaaaa 180  
aaaaaaaaaa aaaaaaaga aa 202

<210> 9155  
<211> 166  
<212> DNA  
<213> Homo sapiens

<400> 9155  
ctgggctgtg tggcgggtgc ctgtagtccc agctacttgg gaggctgagg caggagaatg 60  
gcgtaaccc gggaggcgga gcttgagtg agccgagatc agggcactgc actccagcct 120  
gggcaacaga gtgagactcc gtctcaaaaa aaaaaaaaaa aagata 166



[illegible]

```
<210> 9157
<211> 193
<212> DNA
<213> Homo sapiens
```

```
<210> 9158
<211> 195
<212> DNA
<213> Homo sapiens
```

```
<210> 9159
<211> 2884
<212> DNA
<213> Homo sapiens
```

6711

cagcttcttg	gtttgaggtg	aggacagccc	cggaagctca	gacttggctc	ctgtccatgt	1140
acttggggcc	atgagctctg	cagggacctt	ggaaagagag	agacgggtgg	tgtagggcag	1200
gggaaggcat	tgtcttcaaa	caggaaaaag	ctgagaatgg	aaacaggcga	aacttaccac	1260
gtgtaacatc	acctggaact	gaaggagggt	gggaaggttt	taattatttt	aaaaatagag	1320
atggggactc	actatgttgc	ccaggctggt	ctcaaactac	tgggctcaag	tgaacctcct	1380
tcctcggtc	ccaaagtgt	gggattacaa	gcgtgagcca	ctgtcccagc	agggaggtgt	1440
tttttttaaa	gctgattcac	tggaggcagg	gtgggcaagt	ggcactgctg	gtggccaccc	1500
ctcacagtcc	ctgctgcccc	cagtaccgcc	tggcacccat	ccccggggcc	cgccacgact	1560
ttgcctgcgc	cagcctgata	tctgtctgca	tcctgtctgt	ccatgtcctg	ctcatgcccc	1620
ggtcagttgc	agggaggggt	gtgggggtcc	ggcctgtctg	gatccaggct	ggaaggtgac	1680
tatgaacctg	caaggagctg	tgtgatttgg	gctggaagg	gtcggctgct	ggggctcctag	1740
caactggacc	aggggctgtg	gcagcacacc	ttgagttacc	aacacttctt	tttaatagaa	1800
tgtgtgtttt	ctgccacagg	cctccctact	ccctaacgtc	tctctcctca	gccacctgtc	1860
atatgtgtgg	cctgcatgca	ttttggttga	cagcccttgc	cttaggtgtt	tggagtgtca	1920
ggaggataga	ctctgaaaac	tgtaggcgcc	atcctttttc	tcttatatat	agggaaattg	1980
gggcacagag	gattaatgat	ttatccaaaa	ctcactgaga	ttcatgtctc	tggctctagg	2040
gccctgctgg	tggggtatag	ggatgagggt	gaagtccag	ggaaggggga	tctaaggtca	2100
gctacttgg	gctttctaga	agagcagtta	ggccgaagca	tcgaccagga	ttgtgggttt	2160
ggctatgctt	actaaagaca	taatagggag	gctgtgcgtg	gtgactcacg	cctgtaatcc	2220
cagcactttg	ggaggctgcg	gggcgaatca	ctcgagggtc	ggggtttgag	accagcctgg	2280
ccaactgtgt	gaaacccccg	ctctacaaaa	aatacaaaaa	ttagctgggc	gtgggtggctg	2340
gcgcctgtaa	tcccagctac	tcgggaggct	gaggcaggag	aatgggtgtga	acctgggagg	2400
cggagggttg	agtgagccga	gatcatgcc	ctgcactcca	gcctgggtga	cagagtgtga	2460
ctccatctca	aaaaaaaaaa	aaaaaaaaaa	cgaagaaaga	tgtaatagg	aatgcgtttt	2520
tacagttttt	tctgagtcta	aaggctgcag	agacattgct	catttcttat	acacttggac	2580
caaaaagagt	gatatggtct	tgacctcaat	cttcataatc	tagctggggc	ctgtgtattg	2640
cccatggggc	agctggggcca	cagttttcac	aggtcccttt	tgtgtggggc	agaataccag	2700
gtagggtggg	gacaggtggc	tgtgagccag	aggattgggtg	ggggcggtgg	tcctgggcag	2760
aaggccctag	gcagaactga	ggttcttccc	tcctctccag	gacggcggca	ctgggtgtgt	2820
ccttcgggct	ggtggcctgt	gtactggggc	tggtgctggg	cctgtgcttt	gccaccaagt	2880
tctc						2884

<210> 9160  
 <211> 136  
 <212> DNA  
 <213> Homo sapiens

<400> 9160						
ggcaggagaa	tggcgtgaac	ccgggaggcg	gagcttgcag	tgagccgaga	ttgtgccact	60
gcaactccagc	ctgggcgaca	gagtgtgact	ccgtctcaaa	aaaaaaaaaa	aaaaaaaaaa	120
aaaaaaaaaa	aaaaaa					136

<210> 9161  
 <211> 202  
 <212> DNA  
 <213> Homo sapiens

<400> 9161						
ctactaaaaa	tacaaaaaat	tagccggggc	tggtagcggg	cgctgtagt	cccagctact	60
cgggaggctg	aggcaggaga	atggcgtgaa	cccgggaggc	ggagcttgca	gtgagccgag	120
atcgcgccac	tgcactccag	cctgagtgtg	agagcgagac	tccgtctcaa	aaaaaaaaaa	180
aaaaaaaaag	gttaatatgt	aa				202

<210> 9162  
 <211> 153  
 <212> DNA  
 <213> Homo sapiens

<400> 9162  
 gggcgtggtg gcgggcgctt gtagtcccag ctactcggga ggctgaggca ggagaatggc 60  
 gtgaacccgg gaggcggagc ttgcagtggc ctgagatcac cccactgcac tccagcctgg 120  
 gcgacagagt gagactctgt ctcaaaaaaa aaa 153

<210> 9163  
 <211> 150  
 <212> DNA  
 <213> Homo sapiens

<400> 9163  
 ggcgcctgta gtcccagcta ctcggggaggc tgaggcagga gaatggcgtg aacccgggag 60  
 gcggagcctg cagtggagctg agatcgcgcc actgcactcc agcctgggag acagagcgag 120  
 actctgtctc aaaaaaaaaa aagaattggc 150

<210> 9164  
 <211> 142  
 <212> DNA  
 <213> Homo sapiens

<400> 9164  
 cccagctact caggaggctg aggcaggaga atggcgtgaa cccggggaggc ggagccttgca 60  
 gtgagccgag atccccccac tgcactccag cctgggagcag agagcgagac tccgtctcaa 120  
 aaaaaaaaaa aaaaaaatg ga 142

<210> 9165  
 <211> 181  
 <212> DNA  
 <213> Homo sapiens

<400> 9165  
 caaaagttag ccgggcgtag tggcggggcgc ctgtggtccc agctactcgg gaggctgagg 60  
 caggagaatg gcgtgaaccc gggaggcgga gcttgagctg agccgagatc gcgccactgc 120  
 actccagcct ggggtgacaga gcgagactcc gtctcaaaaa aaaaaaaaaa aaaaaaagat 180  
 t 181

<210> 9166  
 <211> 147  
 <212> DNA  
 <213> Homo sapiens

<400> 9166  
 acgcctgtaa gccagctac tcaggaggct gaggcaggag aatcgcttga acccgggagg 60  
 cggagggttg agtgagctga gatcggtcca ctgcactcca gcctgggtga cagagtgaga 120  
 ctccatctca aaaaataaaa ataaaaa 147

<210> 9167  
 <211> 166  
 <212> DNA  
 <213> Homo sapiens

<400> 9167  
 ggcgtgcgcc tgtagtccca gctactcggg aggctgaggc aggagaatgg cgtgaacccg 60  
 ggaggcggag cttgcagtga gccgagatcg tgccactgca ctccagcctg ggtgacagag 120  
 caagactccg tctcaaaaaa aaaaaacaaa aaaaacatgt aggcag 166

<210> 9168  
 <211> 268  
 <212> DNA  
 <213> Homo sapiens

<400> 9168  
 cggccgaatt ctgccctccg ctaacgagct atagctttgt ggaaatgggc gagtggcgtg 60  
 cccttgtgag cctcagggcc gcattctgtaa aatgggcata actgtcatgc ctgtctttaa 120  
 gaacagcctt gggggtaaat gagtgggaact catggaaaga tctcagccca caaccttcca 180  
 cagaacaggc gcttctcaca cagtaagtag caggagtgcag gaggtgcag gcattgaatcc 240  
 agccagactg cctgggttca agtcccag 268

<210> 9169  
 <211> 368  
 <212> DNA  
 <213> Homo sapiens

<400> 9169  
 ggcatgggca aggacttcat gtctaaaacg ccaaaagcaa tggcaacaaa agacaaaatt 60  
 gacaaatggg atctaattaa actaaagagc ttctgcacag caaaagagtc taccatcaga 120  
 gtgaacaggc aacctataca atgggagaaa aattttgcaa tctactcatc tgacaaaggg 180  
 ctaatatcca gaattctacag tgaactcaaa caaattttaca agaaaaaac aaacaacccc 240  
 atcaaaaagt gggcaaagta tatgaacaga cacttctcaa aagaagacat ttatgcagct 300  
 aaaagacaca tgaaaaaatg cccatcatca ctggccatca gagaaatgca aatcaaaacc 360  
 acaatgag 368

<210> 9170  
 <211> 2893  
 <212> DNA  
 <213> Homo sapiens

<400> 9170  
 caggttaccg aggagacctg caccatcctc cagggcctcg ggtactcttg tgaatgccgt 60  
 ggcttgatca acgtcaaagg caaaggcgag ctgaggactt actttgtctg tacggacact 120  
 gccaatgttc aggggctggg gctgaactga gggctcctgc tggattccga aaaggccggg 180  
 aagccagtct ccttccctga agcaagccca ggagaagact ctccgccccca cgccaatccc 240  
 aaaggcatgc agatggctgt gcattgtggc ttctttggac ctgcactgga ggattttctca 300  
 gacacatgca ccagattctg gctcgaagca gccactgagc cataatgcgc aggggaggcc 360  
 agaagctctg tgcctggtct gtaacagttt ccaggccagc tggagaatgt tcaactggtc 420  
 ggggctgact ttgagatctt tgttccctga ggtgccaggc aggcaacttt agcacatgat 480  
 gaaaacagac ttccacctca gtggcctgtg ggcacgcaca agtgaggctt gtttttctag 540  
 acaccaaggg ggagtaagct gagctgtcta gcacggattg gagactccct ctccctgggtg 600  
 ggcttgcaa tgacagcatt tctcacagag gcattctggt aatgaagct gaaaggggtg 660  
 ttttacatct gtaaacgggt tcaaacaggt agagagaaaa acaccacaat taacactggt 720  
 actttttgcc ttgtctggca tgtttgtttt aaatgaatac attaatgggg tttttatcct 780  
 tttgaatgac ttttcagaca ctagacataa atctcttccc tccagtgtat gctctgcctt 840  
 ttttaaccact gacatgtaag gaggactact gtctagcatc agcttatggg gtcagctggc 900  
 tgtggggata gactcctgag gaatgtggtc acagcaagaa gacggtgagc agcagagctt 960  
 tgcctttgaa tgaggcagct tgtgaggcaa gcattctgga gagagggtgt ttgaaagtaa 1020  
 ggtgcggcct ttcacctctt ccttgattac tcacacatct ttgcgttctc ccctgccgtc 1080  
 cttcaactgt atcttacttt tcttaccaga aaggaatgga gtctgttttag agacaacttg 1140  
 gacaacctgt gactgcatct cttcttttct ttagtcttca cagctaactc tggagagctt 1200  
 caaaactaga aggatctact ccgcatgggt gcattgcagag gctcctggat ctgggaagcc 1260  
 cgccccctca caaatgctga gccgttcttg cgtgagtcag aggcgaatgc 1320  
 aaaaagccag gttttgggga tgtgtcttac tgtgcttcaa cttcccaagg aattgaaagt 1380  
 caacctaaact gtaacaacag ggtgagaaat gaccaaactg cccgtgactt tttctgaatg 1440  
 gacttcataa ccggaagact taaccggttg cctcatcacc agagcatcgc caggatttct 1500  
 aatgcactca gtttccctac atagcaggga ttcttagcta ggtgtcccca tgaaccccg 1560

aaagtctctac	acaaagtctt	gcatacagga	gcctttacaa	gatgattata	caggggtgca	1620
gattgggtga	ctgaccagac	ttgttggggt	cctgggatga	gttgccccgg	gctgcaaatt	1680
aagagtacag	ctaagtgcgg	gggtggcgg	ggagggaaacg	aaaattgaac	ctgtctgcct	1740
gtgctgtgtc	gtgtggcctt	atcagcccg	ggaagggcag	gtgtattcta	atttgcacaa	1800
aggtgctggg	tagactagt	gcagctctca	tgtgctgcac	ataagtggaa	tcagtatgaa	1860
tagaagaact	tgctgtataa	aggaatttca	tggcaacaat	gctggttaagg	gcaattagcc	1920
tcgcttaagt	tgcccttttt	acacacccaa	actttttaca	tgaagggtctg	gtttcacatg	1980
aatactatac	tgaaatctgt	gctctcaaga	tctagcagtg	accagggtctg	cccggcgggg	2040
gctctcctgg	caagtcagga	aggtttctgt	tgctaataa	acatagaaac	acatttagtgc	2100
actgggcctc	tctgagggtca	gcataatttgt	actcttgga	tatttggttt	tttcttcagt	2160
aacaacagaa	accccagttg	ggagtttaac	aaataactga	ctaccactca	ctcatgcatt	2220
tttatttcca	attaaagcaa	agcactgtgc	tgtgctcaga	taataatagt	ttgtaagtaa	2280
aagtttttag	ttttcagtg	tcagggttata	gaatataact	gaccataaaa	attacctgca	2340
gggtattttct	ttttatgaac	ttgtttttta	attaccaagt	aattactggg	gtcattttgt	2400
tttatgacag	acacacgtat	ctaacaaca	aacaacagt	gaccttctcc	atgggtcaag	2460
gacttcctta	caatttctcc	tgagtttaact	tttgtgaaa	taatacctaa	ggttttctgg	2520
cttattgagg	aaatttccta	acaaacaaac	aaacaaacaa	acagaagaga	agatcattaa	2580
ccactgtata	ctttgtgtat	ataatagggtc	agtgtaaaga	aatatgattt	gaggtgggtgc	2640
atgcaagtaa	ctagggttta	ttctatataa	tgaatattta	tagatctgta	acatttggtt	2700
caaaatgctg	tttcattttt	ataaagtacc	agtgttttagc	tgctttttat	acattaaatt	2760
agcaatttga	aaaactcaaa	tatctgaagg	tattttattt	tcgtgggtcct	catgaactca	2820
ctagagatta	aaagtagact	caaacaactt	gaaaatttga	ctcttttagc	ataagatttt	2880
aagtcttttc	agg					2893

<210> 9171  
 <211> 1548  
 <212> DNA  
 <213> Homo sapiens

<400> 9171						
agcagctctt	gcagtgggtg	ggcgacttcg	tgctgtacct	gctggccage	ctaccaaac	60
aggtgcgcca	tgtctctccc	taaggcccg	ccccccacct	gggcccccat	ctcatcagga	120
ccccgcttcc	ctgcccctgc	ccctcaaaac	cacctcagcc	ccgcccctag	ttggagtccc	180
gcccctactt	ggagtcccg	ccctacttgg	agtcccggcc	ctgcttgagg	tcccacctca	240
gccccgcccc	tggttgagg	cccaccctta	cttgaggatc	cacttctctga	gtctgtctct	300
tcttaaacc	ccacttccta	gcccgtcccc	acttcttagc	cctgccccac	ttcttagccc	360
tgccccacct	cggagccctg	ccccatctcg	gagccctg	ccacctcgga	gcccctcccc	420
acctcggagc	cctccccac	ctcggagccc	tgccccacct	cggagccctg	ccccacctcg	480
gagccctg	ccacctcgga	gcccctcccc	acctcggagc	cctccccac	ctcggagccc	540
tgccccacct	cggagccctc	ccccacctcg	gagccctcct	ctccatgaag	cctctgctgt	600
aagaagcctt	tccttggtcca	caccttctct	gcccattctc	aaagccccgc	ctcccaggcc	660
ctgtctcttc	tcagccccac	ccctacacga	aggccgggtc	gccttgctcc	tgctgtgct	720
gccccacccc	cttaccctcc	ccagctccct	gcgcctgggg	tgggcggcct	tgaaatcaag	780
tctccatcca	cacctccacc	ttcagttttg	cggcttggtg	gcccctgacc	agggctccaa	840
cctcgcctcc	acccccccgc	cggtagactc	tgtcctgccc	cagctgtgat	ttcttctgcc	900
ccaccacccc	ggcttcatcc	tgccctgggg	cccgccttc	tccaccgcgc	ccatcacgga	960
cggtttgaag	tccctctctt	ctttttgtgg	ggcttttagc	tgccaggggc	cacctctggg	1020
gcctccccct	ccctgggtcct	ctcagctccc	agtagagtc	ccagggggcc	gggcccgcag	1080
ctgtaggagg	gggcgggtgc	tctctcacgt	gcaggtgggg	atattggcct	cagccagagc	1140
ctcgtcttag	tcttgtggac	tctcagggat	gggacgactc	tgcaaattggg	gctgtcctgg	1200
gcccctgcagg	gctctgagca	gcgtccccgg	catccacca	ctcgggtgcca	gaagcacc	1260
agtcctgacc	accacaaatg	tcccagaccc	tgccattg	cccccggtcg	gggttccacc	1320
gaccccaaga	cacttcatcc	catcgccatc	tgccccccgc	cgcgccagcc	acaccgatgc	1380
ctctttcggg	caggggtccc	tgctgagggc	gggccacagc	tttctgcggg	acggcacctc	1440
gctgggcatg	cttcgggaat	tgatggtggt	catccgcac	tggggccttc	tgaagcccag	1500
ctgcctgccc	gtgtatacgg	ccacctagga	taccaggac	agcatgtc		1548

<210> 9172  
 <211> 4704

<212> DNA  
<213> Homo sapiens

<400> 9172

tattattata	ctttaagttt	caggggtacat	gtgcacaatg	tgcaggtttg	ttacacatgt	60
atacatgtgc	catgttggtg	tgctgcaccc	atcaactcgt	catttagcat	tagatatatc	120
tcctaattgt	atcccccccc	actcccccta	ccccacaaca	gtccccgggtg	tgtgatgttc	180
cccttcctgt	gtccatgtgt	tctcattgtt	caattctcat	ctatgagtga	gaacatgtgc	240
tgtttggttt	tttgtccttg	caatagtttg	ctgagaatga	tggtttccag	cttcatccat	300
gtccctacaa	aggacatgaa	ctcatccttt	tttatggctg	catagtattc	catgggtgat	360
atgtgccaca	ttttcttaat	ccagtctatc	attgttggac	atttcggttg	gttccaagtc	420
tctgtctattg	tgaatagtgc	cgcaataaac	atacatgtgc	atgtgtcttt	atagcagcat	480
gattttacaat	cccttgggta	tatacccagc	aatgggatgg	ctgggtcaaa	tggatattct	540
agttcttagat	ccctgaggaa	tcgccacacc	gacttccaca	atgggtgaac	tagtttacag	600
tcccaccaac	agtgtaaaag	tgttcctatt	tctccacatc	ctctcagcac	ctgttggttc	660
ctgacttttt	aatgatctcc	attctaactg	ttgtgagatg	gtatctcatt	gtggttttga	720
tttgcaatttc	tgatgatggc	cagtgatgat	gagcattttt	tcatgtgttt	tttggctgca	780
taaatgtctt	cttctgagaa	gtatctgttc	atatcctttg	cccacttttt	gatggggttg	840
tttggttttt	tcttgtaaat	ttggttgagt	tcattgtaga	ttctggatat	tagccctttg	900
tcagatgagt	aggttgcaaa	aactttctcc	cattctgtag	gttgccgtgt	cactctgatg	960
gtgggtttctt	ttgctgtgca	gaagctcttc	agtttaatta	gatcccattt	gtcaattttg	1020
gcttttggtg	ccattgcttt	tggtgtttta	gacatgaagt	tcttaccat	gcctatgtcc	1080
tgaatgggtat	tgcttaggtt	ttcttctagg	gtttttatgg	ttttaggtct	aacatgtaag	1140
tctttaatcc	atcttgaatt	aatttttgta	taagggtgaa	ggaagggatc	cagtttcagc	1200
tttctacata	tggttagcag	gttttcccag	caccatttat	taaataggga	atcctttccc	1260
cattgcttgt	ttttgtcagg	tttgtcaaag	atcagatagt	tgtagatatg	tgacattatt	1320
tctgagggct	ctgttctgtt	ccattgggtc	atatctctgt	tttggtagca	gtaccatgct	1380
gttttggtta	ccatagcctt	gtagtatagt	ttgaagtcag	gtagtgtgat	gcctccagct	1440
ttgttctttt	ggcttaggat	tgacttggca	atgtgggctc	ttttttgggt	ccatatgaac	1500
tttaaagtag	ttttttccaa	ttctgtgaag	aaagtcattg	gtagcttgat	gggaatggca	1560
ctgaatcttt	aaatgacctt	gggcagtatg	gccattttca	cgatattgat	tcttcttacc	1620
catgagcatg	gaatgttctt	ccatttggtt	gtatccccct	ttatttcatt	gagcagtggt	1680
ttgtagttct	ccttgaagag	gtccttcaca	tcccttgtaa	gttggattcc	taggtatttt	1740
atttctcttg	aagcaattgt	gaatgggagt	tcactcatga	tttggctctc	tgtttgtctg	1800
ttattgggtg	ataagaatgc	ttgtgatttt	tgcacattga	ttttgtatcc	tgagactttg	1860
ctgaagtgtc	ttatcagctt	aaggagattt	tgggctgaga	tgatgggggt	ttctagatat	1920
acaatcatgt	catctgcaaa	cagggacaat	ttgacttctt	cttttcgtaa	ttgaatgcc	1980
tttatttcct	tctcctgctt	gattgcctg	gccagaactt	ccacactatg	ttgaatagga	2040
gtggtgagag	agggcatccc	tgctctgtgc	cagttttcaa	agggaatgct	tccagttttt	2100
gcccattcag	tatgatattg	gctgtgggtt	tgatcatagc	agctcttatt	attttgagat	2160
acatcacatc	aataccta	ttattgagag	tttttagcat	gaagcattgt	tgaattttgt	2220
caaaggcttt	ttctgcatcc	attgagataa	tcatgtgggt	tttgtctttg	gttctgttta	2280
tatgtggat	tacgtttatt	gattttcgta	tgttgaacca	gccttgcatc	ccagggagga	2340
agccactag	atcatgggtg	ataaactttt	tgatgtgctg	ctgtattttg	tttgccagta	2400
ttttattgag	gattttttgca	tcaatgttca	tcaaggatat	tgggtctaaaa	ttctcttttt	2460
tggttgtgtc	tctgccaggc	tttgggtatca	ggatgattct	ggccacataa	aatgagttag	2520
ggaggattcc	ctctttttct	attgattgga	atagtttcag	aagggaatgg	accagctcct	2580
ccttgtagct	ctggtagaat	tcggctgtga	atccatctgt	tcttggactt	tttttgggtg	2640
gtaagctatt	gattatttcc	tcaatttcag	tgctgtttat	tgggtatattc	agagattcaa	2700
cttcttctctg	gtttagtctt	gggaggatgt	atgtgtcaag	gaatttatcc	atttcttcta	2760
gattttgtag	tttattttgca	tagagggtgt	tatagtattc	tctgatggta	gtttgtattt	2820
ctgtgggatc	ggtgggtgata	tcccctttat	cattttttat	tgcgtctatt	tgattcttct	2880
ctcttttctt	ctttattagt	cttgcctgtc	atcaattttg	ttgatctttt	caaaaaacca	2940
gctcctgaat	tcattaattt	tttgaagggt	tttttgtgtc	tctatttctt	tcagttcttc	3000
tctgatctta	gttatttctt	gccttctgtc	agcttttgaa	tgtgtttgtc	cttgccttct	3060
tagttctttt	aattgtgatg	ttaggggtgc	aatttttagat	ctttcctgct	ttctcttttg	3120
ggcattttagt	gctataaatt	tccctctaca	cactgctttg	aatgtgtccc	agagattctg	3180
gtatgttgtc	tttgtttctca	ttgggtttcaa	agaacacctt	tatttctgcc	ttcatttctg	3240
tatgtaccca	gcagtcattc	aggagcaggt	tgttcagttt	ccatgtagt	gagtggtttt	3300
gagttagttt	cttaactctg	agttctagtt	tgattgcact	gtgggtctgag	agacagtttg	3360
ttataatttc	tgttctttga	catttgctga	ggagtgcctt	acttccaact	atgtcaattt	3420



<400> 9174

gcggccgccc	agggccggcg	actcccgggg	caccggggcg	ctcctggccg	cgggctctgc	60
gtcttccccg	cgggcgccag	gcggctctcg	gcgggctggc	cggttccacg	ccgccagcca	120
gccccgtgtg	gggacttcgg	tctagtattt	ggacccgagg	agataattct	gtgtggaaaa	180
ttctctccct	tcggttgga	acagtaacaa	actggaaacg	gatgagggtg	tatggacgtg	240
cttggaatg	caagaaacct	tcagattacg	agctgttgac	gggaccagtt	gtatttcacg	300
tttttcgaat	taagctcaga	atcagttttc	agaatgacat	gtgatgcgtg	gtgcgtgggtg	360
tgtgtgcctg	tgtgtgtgta	tggatataat	tcattcattt	ttgtggcgtc	agaaagggtta	420
tgtcgagcgt	tgtagcggct	tcttaattta	cattcacggc	atacaactga	agaggagcca	480
ttattttattt	tttttcctag	catttgctgc	gactacacac	tgccggagcg	tttggaatg	540
ttgtttgctg	ttaccctgta	tttgtctata	aaattcttac	tgtagggaat	ggccaagtgg	600
accatcagtt	cgtcctgaga	tcttctcatg	tctctcacgt	ctttgaaaat	ggcctgtgaa	660
cagactgcac	catatgtagg	atgtctggca	aaatagtgta	cagcgttctt	ttctcaaatg	720
agaggaaatg	tgtacctttt	cgccgcgttg	tgacaatgta	aatgttaaga	attagtctaa	780
agatgaaaat	tctttggcca	aaacaagata	agccttatcg	atatgaaaac	tggaaaacat	840
cacatgggac	tggaaatcct	gtgagtgggt	gctcatgacg	gaaaccctga	cagaccttgg	900
attccagcat	cgctgggtgaa	aatcagacct	tatcatggat	aagggttaag	atgtaagggtg	960
tctcaccag	acgccatctg	ttccagctgt	caatgcagaa	gccaggaaaag	gagagagagc	1020
tggccaggga	gaattccagc	tttttttttt	tttttttttt	tttttttttg	agacattcat	1080
gtgaattttct	ctgcgagggg	aaagaagacc	aattattttc	cttggatgct	gtcccttctt	1140
ttggaattaa	taagatggct	tcactcagtg	agaggctgta	aagacatttc	actggaaaca	1200
ggcagtaaca	tgggccagtt	gtttctgtta	ataccatcaa	aatatcccta	ctcttgtttg	1260
tgccttgaag	aaagtccctc	atttaactga	gacatctgag	cctgcgttgc	ggattctgat	1320
tctctaaata	ctcctgcaag	aatcccttta	atttttctact	gtgcaactca	agaaggacct	1380
ttctagggta	ttgtcaggat	acgtatgcta	atgatattgt	caggtaggt	gagaatgatt	1440
gatcactccc	ttaaaatcct	tttttatgat	gttaaagctg	tactttaaga	aagataaaaac	1500
tgccactgtg	gcgttgcaag	tctgagctag	ctcaagcaaa	caaaggaaat	tgcgttaaat	1560
ttgcccact	ctattttctc	atcttcatat	agcaagactc	tccaaacagc	aagtgatcta	1620
acctatcaag	tattatgcaa	tagctgaatt	tccttgcaat	ggtcagttta	aagaactgtt	1680
aacttagcac	aggcgacgtc	tcgtggccaa	ggcccttagg	gtccactcca	tggaaatcagg	1740
acccttgct	gctgctttgc	gagtgttcat	ggaggaagaa	aatcacttg	gtgttctttt	1800
tttgcatgga	agagtcataa	taactgactt	cagatacaga	gaaagtggga	agagtggaga	1860
agaaggaggt	gaggccagag	gatttggaag	gctaccagag	agaagcagcc	gaggcctgat	1920
tgtggaaatg	atgcttagac	ttgtcttcag	caggagtgat	gaagccagaa	tgaggggaggc	1980
ccagacgccc	gggagaggta	caggggatag	gtgccatgtg	gtttgcacca	ccgcagcagg	2040
ctttgggtcc	caaagacgcg	aatggaaaata	gaagaaaatg	cagtttttaa	tagaaaagaa	2100
aaaaaaaaacc	gagaaaatgt	ta				2122

<210> 9175

<211> 669

<212> DNA

<213> Homo sapiens

<400> 9175

ggccccctgtg	cacagtgaag	ggacatgccca	gaaaccagca	gatacttgac	tgagacagac	60
caggacagga	gcttggtggca	ggaaggataa	ggaaaaatgc	aaatctacca	tcctgccctc	120
agggtgctaa	cccttcgggg	gagaatactt	tctcccacca	ggaagaaacc	agaaagtaaa	180
aatgtaggat	gaaatgaatt	agtggattgt	gtagaattct	ggaagcgtgg	tgggaatcca	240
ccataaggga	aagagaaagt	cttctgggaa	gcggcggtga	gttgaggccc	agtgtcagga	300
aagctctggt	atagtggggc	catctgggtc	ctcttacagg	gccccctccc	actttgtttt	360
ggtaagatgg	gatctgacgg	cttgccatcc	tgtcactcct	tgccagtaga	tgcagtgtctg	420
gccatgctgc	tggtcatttg	gtttccagtt	gggaagtgtg	atgtgctggc	ctttggctct	480
tgccaggcag	ggccttttgt	gactggggagc	tcatgtgggt	catgcatact	gtactgtgaa	540
gggcatggtc	tgtggagggg	aacagagcag	caggccctaa	cctgggtggc	accactttgc	600
tgtccctacc	atttttcatt	gcaggttgaa	agtctccaaa	gtggcagggg	aagggtgtga	660
aatgttaaa						669

<210> 9176



<211> 19436  
 <212> DNA  
 <213> Homo sapiens

<400> 9176

gcgcgaggc	ggctggctct	gggcgcgcgc	cagcaaatec	actcctggag	cccgcggacc	60
ccgagcacgc	gcctgacagc	ccctgctggc	ccggcgcgcg	gcgtcgccag	gccagctatg	120
gcccccgacc	cgggtggccgc	cgagaccgcg	gctcagggac	ctaccccgcg	ctacttcacc	180
tgggacgagg	tggcccagcg	ctcaggggtgc	gaggagcggt	ggctagtgat	cgaccgtaag	240
gtgtacaaca	tcagcgagtt	cacccgcgcg	catccagggg	gctcccgggt	catcagccac	300
tacgccgggc	aggatgccac	ggtgagcgca	gccaggcggg	ggcacaggag	agggcgggac	360
cggaggctga	gtgcagggga	gacagagtta	cgcactccga	gccaacacc	gactaattcg	420
gaggaaagcc	cggaggcgcc	tgatcatacc	tggtgcccgc	tgattgggtg	tcctgcggat	480
gcgggatgaa	aaggcgggag	agaggcctgg	agaagtggag	tctggggagt	ggggatggag	540
gccaacaaca	cgcacacaca	aacaaagggt	cccgcctccc	tgccgtgcat	tccatctgca	600
gccccgagcc	tcagggtctct	gggcggggac	agaaccccga	gctgggtagg	ctaggagggg	660
ggagagcaag	gatgcaggcc	gcctggggag	ggaggggggtc	agtggccagg	ggaggagatc	720
acatcctgtc	tcgatggcta	ggagaggcag	cgcagccgcg	tctggaccta	ggtgccggtc	780
tccactcgcc	agcaggagcg	gagaggggagc	aggaaaggag	cccatctctc	aggatggggc	840
tgaaacggga	agcttgggga	gaccgctgcc	ttggggaccc	ctgcgtcgtg	tgaagactgg	900
aggacgcgga	agggacagcg	ctggccgggg	agggcaagcg	gccgctggcg	tacataaggg	960
attgggaatg	gcatacactt	agcagggacc	cccagagctg	ttctcgaatc	gccggggagg	1020
ccactgagcc	gcaggccagc	gaggtcttca	gctattccgc	ggagcggacc	gctgtttacg	1080
ctctggggcg	gtaggccctt	cgcgggggtcc	tgctcccttct	tccttggttc	tcactgcggg	1140
gtcggcgcg	gccccagccc	caggcctgct	gcttcccttt	ctagaccaca	gccctcagag	1200
ctaaggcccc	ggcgctcttc	tgctgggttg	gagtcctggg	gactcagtc	tagggactcg	1260
aaagtcgggg	cgttcccttc	accgcgtttc	ccccttgggc	gccagaatgg	cgtccccctc	1320
ccttgcatcc	ccctctgatc	ccgtgccctg	cagcgtgatg	ccctccactg	tccttatcca	1380
ctaccctggc	gtcccagagt	gtgccgcggg	tcaccaggtt	cccataacgt	cgcagcagag	1440
cttagacgct	gcggggcgaa	gacccgcccc	accctctgac	gcgaccagcc	tagtgggcga	1500
ggccagagct	tgccgcgggt	aaccagagt	accactcggt	agccctgact	gcggccaagg	1560
gcgcaggcgt	gtcccggcgc	atgccgcagc	gaaacaggca	ccaacgctgg	agcttcccgc	1620
agtgtgattt	ggggccggga	atgccgcggc	ggggacggcg	attggtccgt	atgtgtgggt	1680
ccaccggccg	ccggctccgc	cccggccccc	gccccacacg	ccgcatcact	tacaggggcc	1740
ggggctgccg	gacctgccaa	cgtgaatctt	atcgccatgg	accttacctt	gcacaaccca	1800
aagtagctgc	cttggggcag	gggtgggcca	gagtgcttag	ggaaatgtgg	agccctaccc	1860
agaacaacgg	tggagggaaa	gggaagaaac	gcagaagtgc	cccagttcgg	acgtagggaa	1920
gtcttcctct	tcgtgggttt	tggagaaccc	tagctaagag	aggaaaggga	cttattgaaa	1980
gaccgcgaag	aagggaacga	agtctcatag	ccctgagagg	tgaagccagc	tggagttgat	2040
gggtcgaatg	gggacctaga	gaacttttct	gtatctagag	gtttgtaaaa	tgcaccaatc	2100
agtgtctgtg	aaaaacgcac	caattggcgc	tctgtagcta	gctagagggt	tgtaaaatga	2160
gccaatcagc	aggacgtggg	cagggacaac	taagacaata	aaagctggcc	accccagcca	2220
gctgctgcaa	cccgtctcag	ttcccttaca	ggctgtggaa	gcattgttct	tttgctcgtc	2280
acactaaacc	ttgtgtgtgc	tcattctttg	ggctgtgaaa	gagtggtatt	cctttaagag	2340
ctataacagc	gggaagggtc	acggctccat	tcttgaagtc	agtgaacca	taccgcggcg	2400
aaggaaccaa	cgcccgacac	agccccaccc	atctctcctg	tttctcacct	atactgaaat	2460
tcttgggcaa	aagctgtctg	tggacacacc	caggggaaag	gccagcccag	gcaggtgttt	2520
cttagtggtt	cccctcagcc	aatgcttccc	attccttgat	gcaccttctt	aactagagca	2580
gatactcggg	gatcttaaac	tgtggacacc	tgggagcacc	ctcaaaaggc	agctgggcct	2640
agggagatgg	cctgtgcttc	tgtgtcagga	gttggttctt	tcaggtgggc	tcgtggtctc	2700
gctgacgtca	agaatgaagc	catgaacctt	cgcgggtgag	gttacagctc	ttacaggtgg	2760
cgtggaccca	aagagtgaag	agcagcaaga	tttattgtga	agagcaaaga	acaaagcttc	2820
cacagcgtgg	aagggtaccc	gagcaggttg	ccgctgctgg	acgttggggg	gtgtgagggg	2880
gagcagcctt	tttttttttt	tttttttttt	gagacggagt	ctccctgtcg	cccaggctgg	2940
agtgcagtgg	cgcgatctcg	gctcactgca	ggctccgccc	tcctccgggg	ttcacgccat	3000
tctcctgcct	cagcctcccg	agtagctggg	actacaggcg	cccgtacctt	cgcgggcta	3060
attttttgta	tttttagtag	agacggggtt	tcactgtgtt	agccaggatg	gtctcgatct	3120
cctgacctcg	tgatccaccc	gccttggcct	cccaaagtgc	tgggattaca	ggcgtgagcc	3180
accgcgcccc	gcccgggagca	gctttttatt	ccttatttgt	ccctgcccct	gtcctgctga	3240
tttgtccatt	ttatagagca	ctgattgggt	cattttacag	ggtgctgatt	ggtccatttt	3300
acctctagct	agctaaagag	cacggattgg	tgcattttac	aaacctctag	ctacagaaaa	3360

gtttccaag	tctgactcg	accaggaag	tccatctggc	ttcacctctc	acttcaactt	3420
gggtacagcc	ttctggcggg	caggaggatg	gcctttgggtg	cgaacactgc	cggagtccag	3480
ggggctggct	ccctcacctt	tcattctctc	ccggcacttg	caggatccct	ttgtggcctt	3540
ccacatcaac	aagggccttg	tgaagaagta	tatgaactct	ctcctgattg	gagaactgtc	3600
tccagagcag	cccagctttg	agccaccaa	gaatgtaaga	ccctgtgttt	gctatgtcgc	3660
aactattggt	tggtgagggg	gacagagagg	gggtggaagg	agagtctaga	tgggatcaca	3720
gtcatagtaa	tcacagtcag	tagtagctct	ggggagtctt	gagggtccctg	cttctcttgc	3780
atagtcatga	ggtcacaggc	ccaagggagc	atggctttgc	aacctatggc	tcccccaagg	3840
ctgccactac	catggctgcc	atcattgtta	tcatcattgt	tatcatatga	gcacttacta	3900
tgcaccaagc	ataaactcat	aactcttaca	cattttacaga	tgagataaca	ggctcagggg	3960
ggttaagcaa	cacagccaag	gatcacacag	ttagtaaagt	gcagagcaag	gacttagtcc	4020
cctgaactct	taggcactat	cccattggcag	ctctctctgt	catcctcatt	gtcgtgggtat	4080
ctttgcctag	gactgtggag	ttcccacagc	tacctcagtg	ggaggctcct	gagcctgaga	4140
gggcccttgt	ctccagtagc	attgggggtgc	agatgagaag	aataacagct	cctcttcctc	4200
ttctgcagaa	agagctgaca	gatgagttcc	gggagctgcg	ggccacagtg	gagcggatgg	4260
ggctcatgaa	ggccaacat	gtcttcttcc	tgctgtacct	gctgcacatc	ttgctgctgg	4320
atgggtgcagc	ctggctcacc	ctttgggtct	ttgggacgtc	ctttttgccc	ttcctcctct	4380
gtgcggtgct	gctcagtgca	gttcaggtga	gagccttttg	cttgtcaagt	gcacagcaat	4440
gctcagcatc	cctggggaaa	gctccttggg	tgtttgagga	aggccaagag	tgcttgcctt	4500
ccaagcaggg	cagatctgaa	ggtagtcagg	agtgagtga	ggaacatgca	ttctgtgtgc	4560
ttgacctgtc	tgctctttag	ccacatggag	atcttcatct	ctctcactgc	ctttttagct	4620
gcttctccaa	gggttctctt	cttctatgcg	ggtttgttct	ctgccacagc	ccacctgtgc	4680
caggagccaa	gtttctgggt	tcttagcaaa	gcttgggtcc	ctccccacca	ctgacattgc	4740
ccaatatggt	aataatgatt	gagcgcta	tcttgactgt	caggacccat	ttggcaagcc	4800
ttctgtctcat	gtttcagtc	ttctgtatt	ctagatgtca	gtccatcata	agtcatgagc	4860
ttcaggccag	gtgtggtgac	tcatgtctgt	aatcctagca	ctttgggagg	ccaaggtggc	4920
cggatcactt	gatctcagtt	caagaccagc	ctggccaacg	tggtgaaacc	tctactaaaa	4980
atacaaaaag	gccaggcaca	gtggctcacg	cctgtaatac	cagtaccttg	ggaggccaag	5040
atgggcagat	catttgaggt	gaggagtcca	agaccacctg	gccaacatgg	tgaacccccg	5100
tctctattaa	aatacaacag	ttagctggga	gtggtggtgg	gtgcctgtaa	tcccagctac	5160
atgggaggct	gaggcaggag	aattgcttga	acctgggaag	cgaagggtgc	agtgagccga	5220
gttggcacca	ttgcaactcca	gcctgggcaa	cagagcgaca	ctctcaaaa	aggccaggta	5280
tggtggctca	cgctgttat	cccagcagtt	tgggaggcca	aggtgggcag	atcacctgag	5340
gtcaggagtt	cgagaccagc	ctggctaaca	tggtgaaacc	tcgactctta	ctaaaaatac	5400
aaaaaaatca	gccaggcttg	gtggcgggca	cctgtaatcc	cagctacttg	ggaggctgag	5460
gcaggagaat	tacttgaacc	caggaggcgg	aggttgacgt	gatctgaaac	cgcaccattg	5520
cactccagcc	tgggcaacaa	gaacaaaact	gtctcaaaaa	aaaaaagtca	tgagcttcgg	5580
agctggcgaa	acagaagaac	agagaaggga	tggtgatttg	ccccaactca	cgtgtgagtc	5640
agtggcagag	gcagaactag	gaccatggtt	tcctgactcc	tgagggtgat	cacaggcctt	5700
ggcagatgaa	ggaagtggga	gaggctgaag	gaggcatcga	ggtcagtga	ggcgacactg	5760
gggctgggtg	gctgctctca	gtgttgactc	ttctcaccta	ggcccaggct	ggctggctgc	5820
agcatgactt	tgggcacctg	tcggtcttca	gcacctcaaa	gtggaacat	ctgctacatc	5880
attttgtgat	tggccacctg	aaggtcagtg	ggatggggag	gagctctcta	aaactccagg	5940
caatgaaggg	ctgccttggg	ggaagctttt	catactcgtg	tccttgcttt	tctgtagggg	6000
gcccccgcca	gttgggtggaa	ccacatgcac	ttccagcacc	atgccaaagg	caactgcttc	6060
cgcaaaagacc	cagacatcaa	catgcacccc	ttcttctttg	ccttggggaa	gatcctctct	6120
gtggagggtg	gtggagggtat	cagtggaaa	gtcttgggga	ataggaggca	gccaacatag	6180
gggagtggg	gaagatggcc	acgatgttgt	cagtgtgggc	aagacactgg	ggctgggctg	6240
gctgggggctt	ttgccatttt	ggaagtcttg	gaaggcaaca	ggcaatagat	gggggctgcc	6300
caggaggggag	tcaccatcct	ccctagagag	ttcagtcagc	aaaccgttac	tgcataaaag	6360
gcacctcatt	ttgcaaagga	tccagcggat	gaccagaagg	atccaaatga	tgagatagcc	6420
tatccttgaa	ggtgctgatg	gcacctcctg	gaggtgcttt	tttgacactc	ttgccccagg	6480
caagtattcc	ccttgcaactt	tgtatttctc	tcccacactt	aggtatcctt	cttgtcacag	6540
tcttctctgt	ccagggtctg	actgtcttac	tcttctttca	tgtccaatat	ctggaacatt	6600
cattcactga	gtacttcttc	ccacctgtct	gatccccagc	ctgatttctt	gggtggctcag	6660
cgttgggttt	gagatgtcgt	ctgaagtgtg	aagcagaagt	aatgtagctg	ctgaagggaat	6720
aatgctctggg	ggtggagatc	tggtgagctt	ttagtgagca	ttaggcaatg	gaaggttcta	6780
aaaggccagc	agaattcttt	gaaaagttca	tttaaagccc	tttgtcccaa	ggctgtaggg	6840
tgcagagttc	ttccagggtcc	acctctctca	ctttgtgaca	tttcagcttg	cgaggaatta	6900
aattgtcgtt	aaaacacatt	tcagttctag	gcattgagttc	aaggtagcct	ggcggttcctc	6960
tcgcccctgg	ccatgagaac	tttgaaaggg	ctttggcagc	actggttggc	ctggcatgag	7020

gagctcatag	cttgaggctc	atgccccacc	tgtccataat	gttcttattt	tcccatcatg	7080
agcatggact	tgggttttgt	acatgtccga	taccattatg	gtcagtacta	tgcagatgac	7140
gaagcagccc	tgtcccccg	ctgactccca	tggctgtctc	aagggcagtg	tggttatttg	7200
ctgggcagtg	gcatggggct	tgtgcatttc	tactgtcact	acagagggtt	taaaaaaaag	7260
acatgggcag	gttaagtggg	agggaaacagt	ctcacaccac	tacctttatt	gcttcttggt	7320
acttgggttt	tcaggaaatt	cctatcagca	gacatcaaaa	acagagaatg	aaggggacgca	7380
gttggcatgt	gcctgtgggt	ccagctactt	gggaggctga	ggtgggagca	tcgcttgagc	7440
ccaggagggtg	aaggctgcag	tgagtatgat	cacgccactg	cactccagcc	tgggtaacag	7500
cgcaaccctg	tgtgtaaaaa	taataatttt	ttaaaaagat	taaaaccaa	aaaaaattgt	7560
aaacagagtt	caacgtaact	tacagattaa	aaacagtaaa	atatgacaga	aactgagagg	7620
tagtcatgat	cagatatggc	ctccttcggg	tgccgacatc	tgaactgaga	cctgaatgat	7680
gaaaagggcc	aacactgcaa	aaattcaggg	aaggaacatt	tggaaacagag	agaacagtc	7740
agtacagagg	ctccccggtg	ttcagggaca	gtaagcaatg	agagaatgag	aagaccagaa	7800
aactaggagg	gggccagatc	atgtaggggc	ttagaaagcc	atggtaaggg	tgtggtaaga	7860
agtttgggtt	ttattccaat	agcaatgggg	agtcacagga	gggtttctgg	tgggtacagc	7920
aatctgcttt	gcactttaaa	aggcttgctc	tggctggagg	tggagaggat	gaattataga	7980
gggtaggtat	aatcacagat	ataacctcag	tgaggcggct	ggagcgagtc	cagaccagac	8040
cacggaggag	caggtgaagc	caatggattt	gggatatgtt	ttggaggcag	tgtaagcaac	8100
gcttgctgag	gacctgggat	tgggtggtgag	aatcacccca	tctcgagcaa	cattaactga	8160
ggaaaaaatt	gaaaaagggg	cgcccttgct	tgggggcttc	ctattgtgga	actgttatgg	8220
aaaggagccc	catccattgc	ttcttccttg	aatggcaaat	gcctttatga	tccctataac	8280
ttgtcccat	atgttttagc	ccttggtggt	cagaagggtt	ctatttaggg	cagtgtcccc	8340
tgccctcct	tgtcctccaa	aaattttggg	aggcactgac	gtggatgtca	tggggctcagc	8400
acaggcatca	acatccccag	agggatggaa	ccaagcagcc	tattgcccag	gcattcacta	8460
acaggcagcc	catcctcagc	ctcatagctg	gccggggaga	agaaaggcta	ttttgggtcc	8520
cagatctttt	ttttttttt	tgagacagag	tctcgctctg	tcaccagggc	tgaagtgcaa	8580
tgggtgcggtc	tcagctcact	acaacctccg	cctcccagat	tcaagagatt	ctcctgcctc	8640
agcctcctga	gtagctggga	ctacaggtgc	gtaccaccaa	gcctggctaa	tttttgtgct	8700
tttagtaggg	acgtgggttc	accatgttgc	ccaggttggt	ctcaaactcc	tgggctcatg	8760
cagtcgcgtc	acctcagcct	cccaaagtgc	tgggattaca	ggcatgagcc	actgcaccgc	8820
gtctctgttt	acaaatttat	caccagcttc	atcccctaag	gttataagct	ccatgagggt	8880
gggaagtctg	tattgttcac	ctctgtatcc	taagcatcta	gaacatagcc	cggcacacag	8940
taggtgctga	agaacttgaa	tctgttaatg	tagaaaggat	gtttcatcta	gctgaagtgt	9000
cttgtacaga	ataaactctc	aataaatgaa	ctgtggacac	atggaagggg	gagctagagc	9060
tctgtctcag	ggttgagtg	tcctcttggt	cccttggtgt	tgtctgggta	cctgaactaa	9120
ttggagtgcg	atgcagacat	agtcatggag	tgagacagca	gaactttgct	gtcttggttg	9180
tgagcccaca	tcagggggtc	tagactggct	ggttgacatg	gtggccccag	cctgtctcct	9240
cagcagctcg	gcttataaaa	aataaccacc	acctaactgg	gaaaactgct	ggaaccttca	9300
gattgccaaa	tgttcttggg	tgtcttttcc	agaaatattt	gccaaactcg	aattagcctt	9360
caggagattt	gataaagctc	atgtttaagt	caagagacca	aaagattttg	atggggagaa	9420
ttaggggctg	gatataagag	gaatacttaa	cctgtatagg	ggcagatatg	gttgtccatg	9480
gagattctgg	tgtgaaaaag	tacgatggcg	gccggggcga	ctgcctcaca	cctgtaatcc	9540
cagcactctg	ggaggctgag	gtgggtggat	cacctgaggt	tgggagttca	agaccagcct	9600
gaacaacatg	gagaaacccc	atctctacta	aaaatacaaa	attagctggg	cgtggaggca	9660
catgcctgta	atcctagcta	cttggggagg	tgaggcagga	gaatcgcttg	aaccagggga	9720
ggcagaagtt	gtggtaagcc	aagatcgtgc	cattgcactc	cagcctgggc	aacaagagcg	9780
agactccgtc	taaaaaataa	acaaaaaagt	acgatgggag	aaaggggaga	gggcagtggt	9840
gcctggaaac	ctcatgacaa	agagaatgaa	cacaagaggg	cctgtggtcc	tgtagactct	9900
gtgctgtgca	catccctcat	gtgagcatgg	gccatccagc	tgcaggccat	ggtgtgacac	9960
actctgcaga	ttacagtcta	gggcttcatg	ttccatgtgc	tggaggtaag	gctgggcctc	10020
ttggagcttt	ccaatagcac	caacaagctg	tcagccctgg	aggaggccta	aacctccaag	10080
caaggaaagg	tcaagtcaca	gagggaggaa	tcactggtct	ccgaatgctc	atgtgtttgc	10140
ttttcttcac	agcttgggaa	acagaagaaa	aaatatatgc	cgtacaacca	ccagcacaaa	10200
tacttcttcc	taagtgagtg	tccccatcca	acacagggga	gctgcctcag	gaggggaatgc	10260
tgagggaatg	aggaggatgt	ggctgtccaa	gggattatgg	tattttaagg	aaaggggcta	10320
gaggaagtac	cccactccca	ccccagttta	ctccctgcac	gacagcagtt	tgccatctca	10380
gctgagcgaa	gtgaagttag	gctgatgatt	ggttgaaggc	aaactagttc	ttcccatcca	10440
accccgagtt	ccactgggaa	gctgggtgtt	tggggtgtag	aggggcctct	tgctttatcc	10500
tcaaccttat	cttttttttt	ttttttttga	gacggagtct	tgctctgtcg	cccaggcccg	10560
actgcggact	gcagtggcgc	aatctcggct	cactgcaagc	tctccgcttc	ccgggttcac	10620
gccattctcc	tgcctcagcc	tcccagtagt	ctgggattac	aggcaccgcg	caccgcgccc	10680

ggctaattttt	ttgtattttt	agtagagacg	gggtttccacc	ttgttagcca	ggatgggtctc	10740
gatctcctga	cctcatgata	cacccgcctc	ggcctcccaa	agtgcctggga	ttacaggcgt	10800
gagccaccgc	gcccggcccc	tcaaccttat	cttaaacttt	gtcaagatgg	gccaaggtaa	10860
cctggtagag	cccagtccaa	ccccagagg	aacaaaggta	cagatagttc	tggaaggatg	10920
ggtcctgagg	agagaatgga	agagctgtta	gaacgaagaa	gatctttctg	atgactgcca	10980
catattccca	gctttaaaag	tctgtcccag	ctactaagga	aactgagggtg	ggaccatcct	11040
ttgagcccag	gaattttgggg	ctgcagtaag	ctccgattgt	gccactgcac	tccagcctgg	11100
gcaacagagt	gagatcttgt	ttcttaaaac	aacaacaact	ctgctccata	atgcctaaaa	11160
tgagctttaa	acgcctttta	attttcaa	tttttaaga	aggaagggaa	ggagtccact	11220
gatcttattt	tagtttgaag	gaattcatcc	taactgccta	tcaccaacta	tcacgaatag	11280
agaaaggcga	tggggcagaa	gggtagagca	gagacctctg	gaagaaatag	ttttagaatc	11340
catggcacat	caagatggag	gagccatggg	tgagcatgtg	catgctagga	gttatgggta	11400
gcatcaggtg	ccacagagaa	gggctacaga	aaaggaaatg	aggaagcatg	tagaatgcaa	11460
cacttcttca	actcccagtt	ttctttcaag	agaggccccct	ctgttccgtc	ccacagctga	11520
cctccagggc	ttcagattgg	ggtggcacia	gcccctctcc	ctagtttaag	gaagtgaagt	11580
tcacagcctg	tgaaggatcc	acaggggtccc	tcccaacaca	cacacacttt	cctgctcctg	11640
ccccttcacc	tgcatggtgg	agctgccagg	aacaaagggc	agatgactgt	agggacaggg	11700
ctgtggccaa	ggtaagtaag	agagtattag	caccctttta	aaagtgtggg	atccttggag	11760
tgtgtatgta	gaaaagagaa	gaaaaatgaa	aaataataaa	ggtgtggggag	cagagcaagt	11820
cccattgcgtg	gggctctagt	tcccagacac	ctgtcactga	agagtgccac	tcgcacccct	11880
caccttccct	ggcatcctct	tgggagtttt	tgccctcccc	agacttggat	ttatgcccac	11940
cttcagtgcc	tgctgggttc	agtggattgc	agagcactca	agcacctgga	ggggagacag	12000
aagggatggt	tgggaagggc	agccccctgc	tagaggccat	ctctcccaac	atcaactggc	12060
cctttcatga	ccttctctgtg	ctcatgcctc	ctctttgtct	cggtttctct	cccagttggg	12120
ccccagcct	tgctgcctct	ctacttccag	tggtatattt	tctattttgt	tatccagcga	12180
aagaagtggg	tggtgagtat	ccatggccca	agaagcccac	atccttgtct	ccagcaccca	12240
gagtggggga	taggggttcc	ccaggggaaa	cttgagactg	actctaggcc	taatttagaa	12300
caaaataata	gaaccagaca	cagatcctcc	ttatctctaa	gtgggacgaa	atgatttgag	12360
cttagcaggc	agcctgattc	ccaatgtgta	atttcatgcg	gtcagtgtct	ccagaggttc	12420
ttgtactggg	cataatgcca	gggggtcga	ttgggaatgg	ggaagatgaa	tgagagacaa	12480
tacctacttt	caaggaaact	tctgatgaag	cagaatgtgg	ttattaatca	gaaaagaggt	12540
acaggcaata	ggttctgggg	actccaaaag	gggctgact	gcacctggct	ttgtgaagtc	12600
acttttctag	ctggccttga	ggctgggcag	ggtttctgac	aggcagaggt	ggagcagggg	12660
ggatgaactc	tgagcagaga	agctggaaat	gaggggtaag	tttgaccacc	agacatattg	12720
tggaggacta	gtgtcagggg	aagagtatgg	tgcttggttc	agtgatgaga	gatttgatca	12780
gggactggc	atggactgag	ccatggtcct	ggcagattca	tttggcggca	tgctgaagga	12840
tttagattgg	ctaggaagag	ctagaggcaa	agagaccttg	taggccttgg	tacttttgaa	12900
ggggacatgc	aagaagggtc	ggggggtgcc	aatgggaatg	gaagaaagga	gcagtggcac	12960
tagatactgc	aggattggac	ccctgagaag	ctgaagatga	gtgagtctgg	ataaccagga	13020
gaatggctgc	accatgcaaa	caaagagctg	ctgagaggaa	gaggaagagt	tgttcgtgac	13080
tgttatgctc	gctgcttttc	tcactatagg	acttggcctg	gatgattacc	ttctacgtcc	13140
gcttcttctc	cacttatgtg	ccactattgg	ggctgaaagc	cttcttgggc	cttttcttca	13200
tagtcaggta	gtattcgggtg	ggggcgagata	gggactgggtg	aaggaaatgt	tggggagtga	13260
ccagtctggt	ctagggggccg	tgctggggct	ttgggttaaca	gtgggtgttt	caggagttag	13320
cttgggaaaag	tagacaggct	ggagcagtta	tctgaggggg	gaatcagaat	tctgggctct	13380
gtgtgtactg	tttttgtctg	tgtaatacat	ctaacaggtt	cctggaaagc	aactggtttg	13440
tgtgggtgac	acagatgaac	catattccca	tgacatga	tcagtaccgg	aacatggact	13500
gggtttccac	ccaggtaaag	gacagtcact	cagaagactg	gagcataaca	caactattga	13560
aaaggatgcg	taggtgaaaa	cagcaaaaac	aaaaagtccc	ccaaacagca	ttttctcatt	13620
agcctgaggc	tcttgttctg	caaccatgtg	aaggagatga	ccaagacagt	ctcatgtccc	13680
ttcctcagcc	agctttacct	ggagaatgct	gggctggcct	ttccatctga	tattcaacat	13740
gctctcccct	gaccttttcc	gccagctcca	ggccacatgc	aatgtccaca	agtctgcctt	13800
caatgactgg	ttcagtggac	acctcaactt	ccagattgag	caccagttag	tagggagcct	13860
ggggaagcag	ggtcctgggg	aggggtgaag	tggtgggtac	aggtgggagc	agagaagcag	13920
gaaccactga	ctcccccggt	ctccctaaag	tctttttccc	acgatgcctc	gacacaatta	13980
ccacaaagtg	gctccccctg	tgcagtcctt	gtgtgccaag	catggcatag	agtaccagtc	14040
caagccccctg	ctgtcagcct	tcgccgacat	catccagtga	gtatctgaga	ccaggaagat	14100
ggctagtagg	gaggggaagag	ggcagggcaa	tggaaatgat	gacatgtagg	gtggggagtg	14160
aacagaaggt	gttcccagtc	gtgtgggatg	gagttcacca	tggcaaaggc	aggattcttt	14220
attggacctg	tggccaggtc	aggcctttgc	cctcattggg	gttccccctca	gtaccatggc	14280
ccaagctagc	tttctctaaa	gtagagggga	ggaaaacctc	cagatggaag	aaggccttaa	14340

cctcactgct	ccatctccgg	tgggttcaac	tctgcttgte	tccctcactg	tctgccccca	14400
ttttgtccct	gcagctcact	aaaggagtca	gggcagctct	ggctagatgc	ctatcttcac	14460
caataacaac	agccaccctg	cccagtctgg	aagaagagga	ggaagactct	ggagccaagg	14520
cagaggggag	cttgaggggac	aatgccacta	tagtttaata	ctcagagggg	ggttgggtttg	14580
gggacataaa	gcctctgact	caaactcctc	cctttttatct	tctagccaca	gttctaagac	14640
ccaaagtggg	gggtggacac	agaagtccct	aggaggggaag	gagctgttgg	ggcaggggtg	14700
taaattatct	ccttttttcta	gtttggcaca	tgcaggtagt	tgggtgaacag	agagaaccag	14760
gagggttaaca	gaagaggagg	gacctactga	acccagagtc	aggaagagat	ttaacactaa	14820
aattccactc	atgccggggcg	tgggtggcacg	cgctgtaat	cccagctacc	caggaggtcg	14880
aggcaggaga	atcgcttgaa	ccggggagggt	ggagggttgca	gtgagctgag	atcacgccat	14940
tgtactccag	cctggggcgac	agagcaagac	tccatttcaa	aaaaaaaaaa	aaaatccact	15000
catataaaaag	gtgagctcag	ctcactggtc	catttctcag	tggcttctcc	atcctcattt	15060
gcaaacctca	gagggataag	gcagttgaac	ctgatgagca	agaattataa	cagcaaggaa	15120
acattaatgc	ttagaattct	gagatccagc	acaactcagt	ctgtgggagc	tcagctcgct	15180
gcccagggat	aggtatgacc	tatgtctgcc	ttaggctgct	gggagatgcc	attctccagt	15240
ttcagaagca	ggcagggcaa	aggtcaagac	tgtgggtattg	gggtcttttg	gctctgaagg	15300
atcctggaac	cactgatttt	ggtttattcc	ctccagggtc	taaagagaac	aagaggtgct	15360
agctcttacc	aaaacagatg	gtagagagag	ttgctggcta	tttaaaaagc	tctttcatct	15420
tttaattcac	ctcttctttt	cacctcttta	accactcctc	aggaacagaa	cacttctagg	15480
actgggggtc	tttttagctcc	ataagcaagt	gagcagatgg	gacaagttag	tcttttctcc	15540
ctagaacaac	aggggatgcc	cagtggtttc	cctttgcttc	ccaacctaaa	atttcaagtt	15600
taataaaaata	gcaattagca	gaagtgaaca	aattgggaga	taattatcag	tcattgaggaa	15660
agacacagat	ttcggtcata	aagaatgtaa	gggctataag	tagaaaacttt	ctataaccta	15720
aatgatgtta	tagaattatt	tttgagcagg	agcagaaaga	ttaaatatga	tcacttcata	15780
cttctaaatc	agaaatagga	agattaaaac	cacagaacag	tttgtgattt	ctattgctgt	15840
agctaggtat	cttactctgt	ccactcttgt	tcaagtatct	aactcttctg	gaaaccaaact	15900
aggctttaga	agagattatc	ctatatctct	atcagtataa	tactaaaatg	taacttttta	15960
atcatctggt	ttttaaaaga	taaacagttt	agcccatctc	tccagagagc	aaacatagga	16020
atatgactca	ggagcctcct	agggttattc	atcagccctc	acaccgcgtt	ccccctcaa	16080
cccacagcct	ttgcttcag	gtggcaggat	tactactttg	cctcttcagc	agcatctact	16140
ctaggcatat	tgatcatttt	agacactggg	agaagagaac	ctcaaactag	gaggaaaaga	16200
cagagcctcc	acttagtttt	gggaggggat	ggcagacagt	caaggagatg	agcgtcctaa	16260
ggcatgttgg	gatagggtca	gatgcaccac	ccatggagag	gtttgtcaac	acaaagacat	16320
ggaagggttag	aggtttgtca	acaaaaagac	atggaagggt	aggtttgtca	acacaaagac	16380
atggaagatt	agaggtttgt	caacacaaaag	acacaggaag	aatgggctgc	agaagattta	16440
gatgttttcc	atttgggcac	attttactta	gctggagaac	taggttttaa	acagcctggg	16500
taggaaaatt	agaagcaagc	tggatgcagt	ggctcatgcc	tgtaatccca	acacttttgg	16560
gagggtccagg	caggaggatc	acttggggcc	aggaggtcaa	gctgcagcg	agctgagatc	16620
acaccatgc	actccagcct	ggggtgatag	aacaagacc	tgtctcaaaa	aaaaaaaaaa	16680
caacaaaaaac	ttagaattga	ggagttgtac	ctccattggc	ttcctcactc	caaaaataggt	16740
gctgacccct	cctattccta	ttcttttgcca	ccttttgggt	gtgggtgtcac	cagcctgttt	16800
agccaagtag	ctttgggcat	aggctgcca	atctgagcaa	acaccagtga	ggctctattg	16860
agccaagacc	aagtcctcaa	agcacctgaa	ccactgtggc	cttctcagcc	tacagcagtg	16920
tggtctctta	catggccaca	aagggaacaca	cagtgaacaa	aggctcggaa	tgttacaatg	16980
gtaaaatgag	tgatctcaaa	tccactgaça	gatataaaaat	aggcttagag	aggaaaagct	17040
gcctctggtc	aagtagatca	tggcagcatg	aatttcaact	cactttttta	caactccaac	17100
ttctatgttt	atctttgtta	ctttcacttt	tttacaacct	ggccagaggc	atttttttaa	17160
tcaggcccaa	tatcagtatt	ctttttgtgt	gtggcaattt	tgttatcaca	ttcctatgaa	17220
gttgaaaaat	aaagttaatt	ttgacaaaaa	gacttcattt	gtaacccatg	atgttcatct	17280
gtgtgtgcac	aggattcctg	agtgcctctg	ctacgagtta	ctgttcacct	ctctgtgctc	17340
ttaagttctt	gaatcactag	actccccctt	gtattgggca	gaggaagaaa	catcaggacc	17400
ctccagaaaa	caccaaggca	aggggtgaagt	atggcaagga	agagcaaggc	aaagtccttc	17460
tgatgactcc	cgtgttcaaa	tgtgagattg	tcaataatct	caccaagttt	cacacgtatc	17520
acttctcctc	attcatgagg	caatgccctt	gcccttttgt	ccttcagctt	tccattttga	17580
attatttttt	ctttattttt	acacttactt	gtttttgagc	aagggtctggc	tctatggccc	17640
aggctggagt	gcagtgggtc	tgccatctta	gttcaactgca	ttctctgcct	ccgggctca	17700
agccatcttc	ccacctcagg	ctaatttttt	tttttttttt	tttttttttt	tttttttttt	17760
ttgagaccag	agtttctactc	ttgctgtctca	ggctggagtg	tagtggcgctg	atctcagctg	17820
attgcagcct	ccgcctcctg	ggtccaagca	atttctctgc	ttcagcctcc	cgggtagcta	17880
ggattataag	catacaccac	cgcgcccagc	taatttttta	tttttagtag	agacagggtt	17940
tcaccatggt	ggccaggctg	gtcttgaact	cctggcctca	ggtgatccac	ccgccttggc	18000

ctcccaaagt	gctgggatta	caggcgtgag	ccactgcgcc	tggcctctct	ttacttttaa	18060
actcatttct	agtttccaaa	tagtctccct	aagtcctatc	tgcctaaatc	ttcctctgca	18120
agtgtgatcc	ctcagagctt	gactgcagag	cagtgcctct	taaccatcca	actagaacag	18180
ctctgagcaa	aaacatttgt	aggcatcatt	aatcttccct	gcagtgtgca	cacagaaagt	18240
cagattaaca	aaattctata	ggagacaaac	ttaccttcaa	aagacaaaag	aaaaccacta	18300
cattcttgac	caccacaggg	tataagccct	taattattaa	gagctactgc	actgaggcaa	18360
taactcctaa	gaaatcttaa	catttcgcca	ggcaagggtg	ctcatcctgt	aatcccagca	18420
ctgggagaga	atggcacacg	taatcctagc	ctttaggagg	ccaaggcggg	aggattgctt	18480
gagcccagga	gtttaagacc	agcctgggca	acagtggatg	cccatcttta	caaaaaattg	18540
aaaaatcatc	caggcatggt	ggcctgtgcc	tgtaatccca	gctgcttggg	aggctgagggt	18600
gggagaatca	cttgagccca	ggaggctgag	gctgcagtga	gccaagatcg	cactactgaa	18660
ctccagcctg	ggtgacagag	caagagactc	tgtctcaaaa	aaaaaaaaaa	aaaagaaatc	18720
ttaccgtctt	tagttcctat	caccattact	gcagatttag	aagcaatcta	cctgaatcag	18780
aaaatagagc	tcaaataagt	tgtgtggctt	gggtataatct	gggaaaaatca	gtttcaaaaag	18840
ttacctgccc	ttgggataga	actttttgtc	aacaccagtt	ttcaaaaagt	accctagtta	18900
tgaggccggt	gctgggtaaa	ctttatccca	ttccagcttc	aaccagagga	acctgtacat	18960
cctaaagttt	cacataagat	tacacttgaa	gaatagggtt	ctccattaaa	agacttgaaa	19020
actactggtc	ttcaggctcc	ctacctgttt	aatctgtcaa	gacattgcca	gcttaaat	19080
cggacagtta	cataagtgtc	cctgttaact	tcaaatggcc	ctgacaggaa	tgctaaaacg	19140
tcagacattc	aaatgggcca	agctttatca	ggattataaa	actttcaaag	ctcaaaaaca	19200
tgccatctct	atgggaaaca	gtatcttgga	tttgatgtta	caaaaggaac	aagaaaatgg	19260
tttctgaatg	gcagctttca	gtttacaagt	agtgccaaag	taaatgcttg	gatgttatga	19320
ggtagttgat	ctaaattgtg	aggctttctt	aaaggcactc	ctttgatctc	atggagttag	19380
agactagaaa	tctattcaac	gtattaaaac	tcctctccca	gcaaaataaa	ataaac	19436

<210> 9177  
 <211> 1222  
 <212> DNA  
 <213> Homo sapiens

<400> 9177						
aaaacttaaa	gtataataaa	ataaaaagatt	tacataaaaac	atttttcctt	gattctgtat	60
taaaggaaag	atgacattat	tttcaatgtc	tgcaaaaatat	ttcactgatg	ggcatttaga	120
gtgtttccat	ttcccgctat	catagatact	gctttaatga	atattttttg	tttataaata	180
gttttctttt	tttgtgtgtg	gatatagaat	cttgctttgt	tgcccagggt	ggagtgcagt	240
ggcacaatct	cggctcactg	caacctctgc	ctcccggtat	caagcaattc	tcctgcctca	300
gcctcccag	tagctgggac	tacaggcgca	cgccgccacg	cccagccgat	ttcttttggt	360
caggctggtc	ttgaactcct	gagctcaggc	aatccgcctg	cctcgacctc	ccaaagtgtc	420
aggattatag	gcgtgaggca	ccccgcctga	cctataaata	tttttctaag	aacatttcct	480
taggctatat	tcctaaacat	ggaattattg	ggaacatttt	tatttttcta	ttttttttca	540
tctcttcagt	attcaaaaaca	ttcctaaatt	ctggccgggt	gcggtggctc	acgcctgtaa	600
tcccagcact	ttgggaggcc	gaggcgggca	gatcacgagg	tcaggagatc	aaagccatcc	660
tggctaacat	ggtgaaaccc	caactctact	aaaaatacaa	aaacaaaatt	agctgggcgt	720
ggtggcgggc	acctgtagtc	ccagctactt	gggaggctaa	ggcaggagaa	tgccatgaac	780
ctgggagggt	gagcttgagc	caagctgaga	tcaggccact	gcactccagc	ctgggcgaca	840
gagcgagact	ccatctcaaa	aaaaaaaaaa	atctttaaatt	tctatataag	ttgtcaaact	900
atttttttcca	gtttaatcaa	cttactcttc	taccagcagt	atgagagctt	ttatccact	960
gcacagtcac	ataggaaaaa	tggtttatgt	aaaggacctc	tcttctgtta	tttaataccc	1020
atgaatttct	tatatagttg	taatcagcga	acccatacta	ctttgggttc	tgcttatttc	1080
acggggaagg	attctatatc	tatcaatata	gttcacattc	tagccattta	aaatcattct	1140
ttaattcttc	attgtgttaa	cagatcccaa	taagcttggc	gattttctta	ttgtcaggac	1200
tcgggtttat	ttccagtttt	tg				1222

<210> 9178  
 <211> 4443  
 <212> DNA  
 <213> Homo sapiens

<400> 9178

acatttttgg	tactttttaga	atttttattga	cttttttctt	cataacttta	aaacaaaaac	60
agcgcatgaa	aaccagtgtc	ttatttccaaa	gtctcaactc	agctgattgc	caggtgaaca	120
tcaccatctt	actcctctga	ataactagac	acaaattaca	tagcaagttc	gagtttctgc	180
ccacccaaga	cacagccagt	aatcagtcac	aaacacagac	acagccaact	ccaggggctc	240
cagctttctg	cccattcttct	ctcagcagtt	cctcccatct	gctaagatgc	gccttctctg	300
tggtctctct	tcaaggtggg	tcaaggctga	acaagacaga	aaagcacagt	ctaggtccac	360
catcacctcc	cactggccac	cagttggcca	gccaggaaat	catttctgta	catcttttgt	420
ctcccccttt	tatctccctc	tctcttctcc	aaaacttggt	gctatctatc	actttcatgt	480
aacaatggac	ttagtgtcca	ttaaactgcc	tgagaagtgg	tttgagcctg	acataatttc	540
ctgagctaaa	aaaggaaaag	tacctctgtg	gccttcttgc	cattaagatc	aagtaaaaaa	600
gggactagca	ctactgaaaa	gggtcacgct	agaaaaagcct	tagaatcctc	tctccacccc	660
gtgaagggtt	ctctagctgt	agctcttaag	ggtacaagac	ggcaaatatt	ctgggggtgaa	720
ggagggtata	tggggaaaca	catttatatt	ccccctttaa	acttccctgc	tgccccagtc	780
tttgcccttct	tcttagtgga	tcccttgggt	tctggctcct	tgcgcttagc	tgaagagagt	840
gagccggtca	ccttgaagaa	atcatccagg	cgcccttggg	tgctgccttg	gcggctctta	900
ctcagcctct	tgaccccaact	gcggattcgc	tcctcagaga	actgcttttc	accacacatg	960
aacttgatca	gctcttcttc	atttggctcg	ctccacttca	gctccacaga	ctctgggtcc	1020
agcacctcag	gttccaagaa	gagctgggtga	gcctccttgt	ggagccaatt	ttctgggcaca	1080
gggtacttgt	tgggggtcaag	tcgccgcacg	atctcctcga	tgctcttggt	cttctgggatg	1140
agggtccacag	cccgttggg	cccaataccc	cggatactct	cacagtagtc	actgcctagc	1200
aggatgcaca	gatccacaaa	ctgttctctg	ttcaggccca	gctcctgcag	aatccggctc	1260
aggtgggaatt	cctggattgg	cagctttttg	gcttcactgg	cagtcagggtg	tcgcatttagc	1320
acagggctgc	cgaagggtgag	gcagtcctat	tcctcggttag	ccgcagcata	gactttgcca	1380
gccttcacca	gggcagcaca	gctggcctct	gcctcactgg	gtgcatcaag	ataagggatg	1440
cccatgaggc	tcagcagatg	tttgactca	tcattgtgct	gcttagtgac	cttcaccagc	1500
cgcttagtga	atttttccac	ctcctgctcg	gccccagcag	cctgagcctg	ctgcagctgc	1560
ttctctgcct	cagcccgccg	ctcactgcgt	ttggccagct	cgctgactt	gagctgtggc	1620
ggcttgccat	caaagacata	cacgggcttg	atgccgttct	ccatcatgcg	aatgggtgcg	1680
tagaacatgc	ccatcagggtg	gctgggtggtc	tcacctcct	cattctgcag	cacatcccca	1740
ccctggcgaa	cagcaatcag	gaactgataa	atgctcatag	aggcatcaat	ggccacctta	1800
cggccaaagc	agctcctgat	gtcattcttc	cggatggcac	tggggggccac	atcagcaatt	1860
agtttgggca	ggccttgaat	tcccatggca	acacagagga	gggatgacta	aaaaagaaag	1920
gcaagtcaga	gacggaggaa	aggagaaagg	ttataactgg	tgttatctca	ccaacttcat	1980
gccttcaact	aaattccaca	caacaaaaag	gacaccatgt	cagcactgct	aaagataaaa	2040
agatgaacaa	ggtccccatt	ctcaaaaaac	tcagtctagc	aggagaattt	actcaatagt	2100
aaggctcaac	gagtaccaga	aattgaacca	cgtgctttaga	gaaataagat	actgttgata	2160
ttctaaggta	gcagcattat	ttattacaca	aaaaaaaacct	gcaacatagg	tctccatcaa	2220
ggaccacaga	aggccaggat	gcttggcctg	gcttggaggag	tccaggggacc	ataatggcag	2280
acctgaaaag	caggcaataa	caccagctaa	acaaacagat	ctgatttggt	ttgagtctct	2340
ggagaaccct	gactaataag	gcagccttga	aaaaggattg	caaacatata	tgaatggagg	2400
tgatgtggct	ttctcacaag	cttctctaaa	ctctcttcat	catcgctca	gcacataaga	2460
gtttctactt	ttattataat	gttgctagag	tttcaagtct	ttccctttgc	gttttctcgc	2520
caccactcag	tctgaaatgt	taactccatg	gctcctcccc	aggtcctgat	ttaggggtct	2580
ggcatgctgt	agtcactggg	ctcaaaagag	tattgcactt	cagagttcag	tgtttcccag	2640
atagcagtgt	ttcccaaatc	accctcacga	tttttgctac	ttccaaactaa	aaccctgact	2700
ttcattcact	tagaattttt	tttaaaaaac	taaactggaa	aactcataag	caataatatt	2760
tgtgttctat	tagttatatt	ttaatatgta	ttaaatgtat	aactattaaa	aaggattttt	2820
agggggtgca	attttaaata	atcttgccat	cctggccaac	acgggtgaaac	cctgtctcta	2880
ctaaaaatac	aaaaaaaaaa	aaaattagct	gggtgtgggtg	gtgtgcacct	gtaatcccag	2940
ctactcggga	ggctgaggca	ggagaatcgc	ttgaacccag	gaggcagaga	atgcagttag	3000
ccgagattgt	gccgctgcac	tccagcctag	caagagagtg	agactccgct	tcaaaaaaat	3060
aaaaaactca	tcttgtgccc	actgttggtg	tgtgtccaat	actccaagaa	atattctact	3120
ggggccaggc	acagaggctc	tgggcagtaa	tcccagcaact	ttggggaggcc	gtggtgggag	3180
gatcacatga	gcccaggagt	tccaggctac	agttagctat	gattgtgcca	ccacactcca	3240
gcctggggcaa	cagagcaaga	ccctgtcaag	aaaagaaaaag	aagacaaaag	aaaagagaaa	3300
gaagaaacga	aagactccat	caggcctttt	cattgttccc	actctttctt	cacaggggttc	3360
tttctagagc	atcaatgact	gttcaattct	tccttctaata	tcagtccaaa	cacttcagca	3420
tggcatcacg	atctttcatg	ttctgggttc	caacctaac	ctacattctg	ggatctcaac	3480
agaaagctgg	aataaggccc	gccttttccc	acttttccct	agctgtgccc	tcctctcgcc	3540
atcctctcac	gcgtccttcc	agggtccatcc	ctggattatt	aatcaattaa	taattaattg	3600
acaatgaatt	attcatttga	ttaatatgaa	taattccccct	gtgaactgca	gcggcaaaaag	3660



ctctggcctt	gaatctaggc	gcggcattta	ccatccgtgt	gacattacca	agccactgag	3720
gtttattttc	tcgtctacag	aagaagaacg	attaccatgc	ctgtctctca	gggctgctgc	3780
cagggttaac	tgagacaaca	gacagaaacc	tctaattgtc	cctctccagg	cctgttcaac	3840
ccttcggctc	ttgcctcaag	ccggccgcgc	tgctggagtg	tggaactgagg	accagaccat	3900
gtagcccttg	atccccctac	ggcgtccca	agacaggtag	gcaggaaagg	ggcctaataa	3960
actcaagtgt	cagaaatggt	tctcgtccaa	ggctcttagga	aaaatacaac	acgaccccat	4020
aaggtggaac	ttattaccgc	ttttctacaa	tgaggagaaag	agaggctcgg	agcttacgcg	4080
actggcccaa	ggctcacagg	gggaaaagtg	gcgggacctc	ttgactgcga	atcccgcgca	4140
ctccagaccc	cggctcccca	cggccccccg	cgccaagcgg	accccgctgc	tcccggaggc	4200
gcttcccatg	gggtctcacc	tggccttttg	gacacgcggc	ctcggcggct	aaagcttggt	4260
tcgggggttg	cccgggcagg	cggctcctaag	ctcgtctctc	cttctcagct	tagcggcggg	4320
tggcctgacg	ttcagccgcc	ttccaaagcc	cgcgtccccg	tcacgtgacc	tgctcgccac	4380
gcacagcctc	ttggggcgcg	tagtgcaggc	tgcgctccct	cagacggctg	ctctcatggc	4440
aac						4443

<210> 9179

<211> 6725

<212> DNA

<213> Homo sapiens

<400> 9179

gggtattaag	gctgcagaag	acagtgcgtt	gcagtatatg	aacttcatga	atgtcatctt	60
tgcagcacag	aaacagggtga	actgagagcc	tgccgtttta	agtattttgt	tcataacgaa	120
ggagtcaatt	tcattttttg	aatgctctac	tctgagggtat	tctgactacg	taggcttatg	180
aatgggcaag	gaatccagaa	tctgtattat	gttctagtct	tttctctatt	ttgggtcctg	240
gaccacttga	gaatctgatg	cattcccaaa	acaatatgca	ctcaaccaca	gttttgcata	300
gagtttcatg	gtatttcagg	aaccttttag	ccatccttgg	accccatgcc	aagaatccct	360
ggttttgacag	tttgcgtgat	aaaccttgca	tcagtttctt	tatcttgttg	ctgtggcgaa	420
gctgtaaaaa	ttcagtatatt	ttacttttga	aagagctgaa	atgttcagat	gaagtataat	480
acatttttct	ctttgggtgtg	tttatgaaga	aagaaaaac	ccttaaaatt	tcagttttta	540
tgtaaaaatgc	tgctatagcc	atgcataatg	ttctctgttg	tggaagtggca	gcatgatgta	600
gtgaaaagag	cctggacttt	ggagacatgc	cgagtggggt	gacagcttcc	tcacccgctg	660
gctctgtgac	cacagcccag	ccatgtcctg	ggtgcttcag	ctgccaaatg	caaatatctg	720
ccgtgcagag	tcacgttgca	tattgagtga	gctattttta	gcatagagta	tggtcatgtag	780
taggttctca	gtatagggta	atcattattg	ttattattcc	tgtaatatatt	tcaaaatggt	840
tcttttagaa	tatttttgatt	gatgcctgtg	ttttagactc	cgactcaggg	ctcctccaac	900
aggtatgttt	taaaaccatg	ctttgtgtcg	gtggttatga	caattagtga	tttttatatt	960
gattacaatt	taaaatgaaa	gctttgggta	tattgggtta	aataaaatat	gttattcagc	1020
ctaattttat	ctatgtcttt	cccccttacg	tatggagcta	ctggaaaatt	ttaaattaca	1080
tattgcttgc	gttatatttc	cgttgggagc	cactaaaaga	caaaaactga	attttacttt	1140
aacccgaaag	ggaaacaaaa	ccctaaagta	agtctgaaga	aattactgag	tttttgtag	1200
atgttttttg	gccacaaatg	ttgtttccta	aaggatcagt	tacaagcaca	aaactatgac	1260
aaacctgaa	tttaggttac	tgctggggat	gaaggatggg	gagagcgagg	tccaatggga	1320
aaattttacat	gcttcaaagg	ctctgagatt	gtactgtttc	ttcagcttga	tcgtaggtat	1380
atgatgttca	ttttattatt	ttaaccatac	ttacacatta	tgtatacaga	ctcttgtaga	1440
tattatatatt	cagtagtaaa	aattcaaaaa	gtttgaattc	attttttagc	aacacatttc	1500
agtctacaca	ttgtctatta	actccaagac	gatcttgtct	ctgccatgaa	ttcacatacc	1560
agctctacct	cctcagccct	cacattcatt	tttctagtcc	agtcccagac	tctcctgagt	1620
tccagacttg	cagaatcagc	cgtgtacgta	gtacctcttc	ttggacgtct	ggcaggcatc	1680
ttcagtgtca	tgtgtcaaaa	gcagagagct	cttggtttgt	cctctcagcc	tcttctgct	1740
ccactggtag	ccccatctcc	ctaagtggca	gtgcagttca	ctcagcaact	caagcaaaaa	1800
cctgactctt	ccttgtctct	tctcttccct	cctttcataa	ccatgagcaa	atcctgttga	1860
ttctgccttt	aaaatatatc	ctggctgagc	tcagtggctc	atgcctataa	tctcagcact	1920
tgggaggctc	aggcgggttg	atggcttgag	ctcagaagtt	taagaccagc	ctgggcaaca	1980
tggcgagaca	ccatctctat	aaacaatata	aaaaaattag	cctatcatgg	tggtgcacgc	2040
ctgtagtctc	agctgttcgg	gaggtggagg	caggaggatt	gcttgagcca	ggagtctgaa	2100
gctgcagtca	gtacagatca	tgccactgca	ctccaggga	accctgtctc	cctcttaaga	2160
aaaaaaaaatg	tgaagtttgg	ttctcagaac	agctgtcaga	atgaagcttt	caaaatacaa	2220
gattgggtgca	aaagtaattg	tggtttttgc	cttttttttt	tttaacagta	aacactgcaa	2280
ttacttttgc	accaacctaa	tataaattag	aacctgttgc	tcacttgctt	aaaacctccc	2340



catagcctag	catcatacgt	tgactaaaac	ccagagtcag	ggcctgccag	ggccttccag	2400
atgctgcttg	ctgaggctcc	tgggaacctt	ttgccccgca	tcttccacac	tctccctctt	2460
cagtcgggcc	ccaccgcccc	cttgctattg	cctgaaacag	gcctgcttcg	gccagagggg	2520
cgctgcactt	tctgttctct	ctgctcgcaa	gctcttcccc	caggtgtttg	catggcctac	2580
tccctgectg	ccttcacgtc	tctacttctg	tgccacctcc	tcagagaagc	cttccctgac	2640
caccattgtt	agtgttactc	cctctcccc	tagcctactt	tatttttctt	catagaaatg	2700
atcataacct	ataacattat	ttttgcattt	acttacctga	tttactctct	gccttctcca	2760
ctagaacctt	aacttcatga	ggatggacac	tgtgatgttt	actgctgtaa	ccctgcacag	2820
tgctctaaaa	cagttgttaa	atgtgtaaat	gaatctaacy	gaccaactga	accaggactg	2880
tactatcaga	ggagcctcag	ggtcctagga	tcggagctag	ggttttcagt	gtaaatggaa	2940
gcactgctgt	gttaaagcga	gaaagctgtg	tttatgaaat	gaatagatga	atgattgttg	3000
ggaaaaacta	ttaacatgga	caggaaacct	tagtgtcagc	aaccaggaga	gcttgagtgt	3060
tttgtgtctt	tggaaaactc	tgaagatagc	aaaagtgttg	aaaaagagga	ccaaattcaa	3120
aagagtttta	tttttatttt	attttatttt	atttttagac	agagtcttgc	tcttgcccag	3180
gctggaatgc	agtggcatga	tcattggctca	ctgcagcctt	atcctcccca	gctcaaataa	3240
tcttccact	cagtctccca	agtatctggg	accactggca	tgactacaa	tgctggcta	3300
*attttttaat	tttttgagac	agtttctctc	ttgttgccca	ggctggagtg	caatggtacg	3360
atctcggtgc	actgaaaccc	caactcctgg	gttcaagcga	ttctcctgcc	tcagcctccc	3420
aagcggctgg	gattacaggt	gcccgcact	acgcccagct	aatttttgta	tttttagtag	3480
agacagggtt	ttatactcta	ttgggttaggc	tggtatcgaa	ctcctgacct	caagtgatcc	3540
gcgattacag	gcgtgagcca	ccgcgcccgg	cctaattttt	taaatatttt	gtagagacag	3600
ggtttacta	gttgtctcag	gctgtgtctg	aattcctggg	ctcaaacagt	cctgaagcct	3660
tggcctccca	aagtgtctgg	attacaggca	tgagccactg	cacctggaca	aaaaagtgtt	3720
atttcttaaa	gagaacagaa	taaagccatc	tcacagtttc	tttttacata	ataaaattaa	3780
caaaatacaa	tgaaaacaaa	tctcataaaa	attaaaaatt	tttgtgtctc	caagggcact	3840
atcaagaaag	taaaaagaca	actgggagag	atatttgcaa	atgatgtatc	tgataaaggg	3900
actagtattc	tgattatata	aagaactcct	aaaattcaaa	aataagacaa	ataactcatt	3960
tcaaagtggg	ccaaggattg	aacagctatt	tctccaaaga	tctgcaaata	gccaagaagc	4020
acatgaaaag	atgcttaata	tcattaccga	ccagggaagt	gcaaatacaa	accacaatga	4080
gctattactt	cactccacta	ggacacatgt	aatcaaaaag	tcagctaata	ataaatattg	4140
gtgaggatat	agagaaattg	gatccctcct	acattgtctg	tggaaatgta	aaatggtata	4200
gccacttcag	gaaacagttc	agaacttcct	cgaaaagtta	agcatagaat	taccatgtga	4260
ctggggaaac	ccgtctctta	ctaaaaatac	aaaaatttag	caggcatggt	ggcgcatgct	4320
gtaatcccag	ttactgggga	agctgaggca	ggagaatcac	ttgaaccag	gaggcagagg	4380
ttggagtaag	ccgagattgt	gccactgcac	tccagcctgg	gcgacagagc	aagactctgt	4440
caaaatataa	aaataaaaaa	aaaataataa	taatctgcag	tgatcatatc	tcctctgatt	4500
ttgtaggccc	aaggcattgc	tcattgagaac	ctcattcctc	tggaaaccct	aggtaagtgc	4560
gagtttgcca	gcaagccgcc	tgtgtcttgc	aggcttgtga	catcacggga	ggactgtacc	4620
tgaaggtgcc	tcagatgcct	tctcttctgc	agtatttgc	ggtaaggaga	cagcagcggc	4680
gacctgatg	cctggaggga	aggatgacct	ctgtgtcctg	ggaaaggaat	ggaagcaaga	4740
tggctggtgc	tagtactcag	gagaagggaa	taaatggagg	ccttgaggtt	ccaaggccta	4800
gaaggggtgg	cttcatgtta	tttttttccc	atgttttaaa	taaaagtgtt	ttttgtttgt	4860
ttgttttaca	gtgggtgttt	cttcccagtc	aagatcagag	atctcagtta	atcctcccac	4920
ccccagttca	tgttgactac	agggctgctt	gcttctgtca	tcgaaatctc	attgaaattg	4980
gttatgtctg	ttctgtgtgt	ttgtcaagta	agttaatgta	cctagttttt	cttttttttc	5040
tatgttgggg	ggcaggaaaa	cagtttctca	gctgtgttgt	ttttcagcca	ccctattgtt	5100
tctttttttt	tttaattttc	agtattctgc	aatttcagcc	ccatttgtac	tacgtgcgag	5160
taagtatctt	tgagattgtg	tgggtggcta	atacttcaca	gctctagaac	attaaaaaat	5220
gttttctctt	ctgtaatttc	aggacagcct	ttaaaatttc	tctgcctcca	gtgctgaaag	5280
ccaagaaaaa	gaaactgaaa	gtgtctgcct	gaggataaaa	tattttcccc	atcttttaga	5340
gctgttaata	gaaattatat	agcagattct	ttgttgggaa	gactgaaaaa	aataaagata	5400
ggtataggat	aatttttaaa	atggtgacct	tacagaaaaa	atttcccaaa	catccttttc	5460
atcctgtgct	tctggaggac	tgatttgttt	gagggaaatca	ttctatgcat	tatatcctaa	5520
aatattctat	gactggtttc	tgtccatggt	tgtggctttc	atttttttaa	tgggatgact	5580
attagtcaaa	gtcagcttgt	catgactcat	cataggcttt	ctaacctact	ccctgaatcc	5640
gggtcctcat	tgtgaaatgc	atgccatacg	aaatttgaac	gtagcttttg	aaaaagggac	5700
tatttgggga	gtaattggcat	taatcaacat	agaacatctt	atttgaatca	acagttaact	5760
tcagtagtca	tgtgaataaa	attctttattg	tctaaattga	gacagcctca	gatatttgca	5820
gatatttact	ttttgtctga	tatcagtaca	tatttggaca	aagtcatcta	aataatagtt	5880
tgtcacaaaa	taactacaaa	atctcatttt	aaatgagtaa	ggagaacgtg	tacagaagca	5940
aattttcttc	aaaatagttg	tgggaagagc	ttatatgtga	aagcttatga	ctgggttttg	6000



ttgcccaggc	tggagtcacg	tggcctgacg	ataaccact	gcagcctcaa	actcctgggc	960
tcaagtgatc	ctcccacctc	agcctcccaa	gtagggtggga	ctataggcac	acgctaccgt	1020
gcctggctaa	ttttttaatt	tttttgaga	gttgggtct	cactttgttg	cctgggctgg	1080
tctcgtaccc	cagggctcaa	gcaatcctcc	taccagcc	tcctacgggc	ctgagattac	1140
aggtgtgagc	caccatgcct	ggttatttaa	aaaaatatgt	tttgaataat	acagccaatt	1200
ctgttttttt	aagctgtcac	tatgttctgt	atagccacca	aaaacaggga	attagcaaatt	1260
actgaatcat	tgttcttagg	ggaaatacag	acttggctcc	tgtaacgctc	ttgtcataat	1320
atttttgtta	accaatcagt	atattacctt	gttttatgtg	ttttctatt	taaagccacc	1380
tggggtacaa	aaatacagtt	ggatagaagg	aataagttct	agtatttgat	agtacagtag	1440
agaaattata	gttaatgatt	tattctatat	ttcagaatag	ctagaagaat	tgtaatgttt	1500
ctaacacaaa	gaaaagaaaa	a				1521

<210> 9182  
 <211> 1641  
 <212> DNA  
 <213> Homo sapiens

<400> 9182						
cattccttac	tgtgaatagt	tgctttcata	ctacagcagc	aatgttgaag	agttgtgaca	60
atgaccacat	ggcctataag	gcctggaata	tttgctgtct	ggctctacgc	agtttaagtt	120
tgctgacccc	tgtgcaaact	tcgtcaaagg	taactttgac	ttagtgcgta	ctcttgatta	180
gtacccaaac	tctctaaagt	tagatattaa	cttagaaaaa	attgataagt	ttcaaaaaaa	240
aattttctct	tggtagggaa	ggtaactcca	agagttaacg	gttttcttgc	cttgaagggc	300
gttatccagt	tttgtatcta	tctctgcagt	cttatttccc	attgacattc	ttttttccat	360
tgactgcatg	tgctcagtttc	tcattgtcctg	ctttgagcca	cccattgtca	ttctgcaggt	420
cccttcatta	atgaattaaa	taaatcttag	acacacgctc	actatatatt	ccaatgagag	480
tgttttattgt	atggagaatt	atatgttgtc	tccttgaggc	ttggcagtg	ctcttgaatg	540
tagtcattta	accctcttgg	gcctcaggta	acttctctgt	taagtggaaa	taattatccc	600
cagtacctta	gccaaattac	tgtctcacc	aaataataat	tggacatagt	tttgtaattt	660
aagttaaaag	atgttatgtt	tatgaaagag	ttttgttagc	tgcaaagcgc	tatttgttgg	720
atattgcttc	ttgaaaaaat	acagatctta	ggatattaaag	aataggtaga	agcctgttag	780
gtatgaatta	tgaacagata	ttcgattctt	tgacttctcc	attcagaata	gttattttta	840
aaaagcaaat	atgtaaagat	ctttctgctc	ttaagcctaa	ccactcatct	gatgagtgt	900
ctgaaaatag	aagtgggtta	ttgcaatatg	tcagagaagt	attctactga	taaccacca	960
tacatgaaat	cttaaagaag	tagttatgag	ttggaaattt	ctaggttgta	atcagaagag	1020
ggagcaaatg	acagaatata	gctgtgcatt	gtttggaagt	gggctggaaa	gaattcattg	1080
cctctttaat	tgaagaaaag	caaagagtga	cactaatcaa	agtaaaagaa	gggaagtact	1140
catagctgaa	aatggaacta	taaattgttt	gctttttaga	gcaacatcag	ttctttgaaa	1200
cccatacagt	tccttataat	attccaaaac	aaactgccat	atggaaacct	gttttagaaag	1260
gaataatagc	actctaccct	cctccccagc	cactaaattg	aaacatacgt	gaaaatttaa	1320
tgtagttttt	taatcaagct	cagaaaattt	tttttttttt	tgagacggag	cctcgctctg	1380
tcgcccaggc	tggagtgcag	tggcgcgatc	tcagctcact	gcaagctccg	cctcccgggt	1440
tcattgccatt	ctcttgccct	agcctcccga	gtagctggga	ctacagcttg	gctagttttt	1500
ttgtattttt	ggtaaagaca	gggttccacc	gtgttagcca	ggatgggtct	aatctctcct	1560
gacctcgtga	tccgcccacc	ttggcctccc	aaagtgtctg	gattaccagc	gtgagccacc	1620
gcgcccagcc	cagaaaaaaa	a				1641

<210> 9183  
 <211> 1641  
 <212> DNA  
 <213> Homo sapiens

<400> 9183						
cattccttac	tgtgaatagt	tgctttcata	ctacagcagc	aatgttgaag	agttgtgaca	60
atgaccacat	ggcctataag	gcctggaata	tttgctgtct	ggctctacgc	agtttaagtt	120
tgctgacccc	tgtgcaaact	tcgtcaaagg	taactttgac	ttagtgcgta	ctcttgatta	180
gtacccaaac	tctctaaagt	tagatattaa	cttagaaaaa	attgataagt	ttcaaaaaaa	240
aattttctct	tggtagggaa	ggtaactcca	agagttaacg	gttttcttgc	cttgaagggc	300
gttatccagt	tttgtatcta	tctctgcagt	cttatttccc	attgacattc	ttttttccat	360

tgactgcatg	tgctcagtttc	tcattgtcctg	ctttgagcca	cccattgtca	ttctgcaggt	420
cccttcatta	atgaattaaa	taaatccttag	acacacgctc	actatatatt	ccaatgagag	480
tgtttattgt	atggagaatt	atatgtttgt	tccttgaggc	ttggcagtg	ctcttgaatg	540
tagtcattta	accctcttgg	gcctcaggta	acttctctgt	taagtggaaa	taattatccc	600
cagtacctta	gccaaattac	tgtctcacc	aaataataat	tggacatagt	tttgtaattt	660
aagttaaaag	atgttatgtt	tatgaaagag	ttttgttagc	tgcaaagcgc	tatttggttg	720
atattgcttc	ttgaaaaaat	acagatctta	ggatttaaag	aataggtaga	agcctgttag	780
gtatgaatta	tgaacagata	ttcgattctt	tgacttctcc	attcagaata	gttattttta	840
aaaagcaaat	atgtaaagat	ctttctgctc	ttaagcctaa	ccactcatct	gatgagtgt	900
ctgaaaatag	aagtggttta	ttgcaatatg	tcagagaagt	attctactga	taaccaccca	960
tacatgaaat	cttaaagaag	tagttatgag	ttggaaattt	ctaggttgta	atcagaagag	1020
ggagcaaatg	acagaataca	gctgtgcatt	gtttggaggt	gggctggaaa	gaattcattg	1080
cctctttaat	tgaagaaaag	caaagagtga	cactaatcaa	agtaaaagaa	gggaagtact	1140
catagctgaa	aatggaacta	taaattgttt	gctttttaga	gcaacatcag	ttctttgaaa	1200
cccatacagt	tccttataat	attccaaaac	aaactgccat	atggaaacct	gtttagaaag	1260
gaataatagc	actctaccct	cctccccagc	cactaaattg	aaacatacgt	gaaaatttaa	1320
tgtagttttt	taatcaagct	cagaaaattt	tttttttttt	tgagacggag	cctcgcctctg	1380
tcgcccaggc	tggagtgcag	tggcgcgctc	tcagctcact	gcaagctccg	cctcccgggt	1440
tcattgccatt	ctcttgccct	agcctcccga	gtagctggga	ctacagcttg	gctagttttt	1500
ttgtattttt	ggtaaagaca	gggttccacc	gtgttagcca	ggatgggtct	aatctctcct	1560
gacctcgtga	tcgcccacc	ttggcctccc	aaagtgtctg	gattaccagc	gtgagccacc	1620
gcgcccagcc	cagaaaaaaa	a				1641

<210> 9184  
 <211> 707  
 <212> DNA  
 <213> Homo sapiens

<400> 9184						
tatttttagt	agagacgagg	tttcaccatg	ttagccaggc	tggctcttgca	ctcctgacct	60
cagggtgatcc	accgccttg	gcctcccagc	tcattgctgat	attacaggca	taagccacca	120
cacctagcca	agaaaccatt	ctttgaacac	aagcaaatat	actttggaga	aaaattttaat	180
aatcctggca	gggctacatt	caacataaatt	ctgttatggg	ggaaggcagc	atgctttggc	240
tgctcagtga	gctatgttct	gtacaaccaa	gtgaaattgc	taaaaaaaga	ttctcctgta	300
tacagtaact	taaagtgatg	cagtctactt	aagatcagat	ctgagttaca	aaatcaaaaag	360
tgacagctcc	tatgttcttt	taaagtccaa	tctctttttt	tcattgttgt	gctccaaatg	420
ccttagtagc	ctgatgtaga	gtagggtggc	aataaaatatt	ggttgaattt	cttgaacgaa	480
tctgtttatga	aaagatctac	tttgctcatc	tctgtgcccc	aatagcagga	gcttgaggag	540
aaggagaaaa	tattgggtca	gagctttttga	ttaatatgta	tgattctatt	aaacgggttc	600
actaaaccaa	aaaaggcaaa	ggaaaacagt	taaaccaaga	gttcttgagg	ttaaagtctt	660
gtgatgatta	aatcatcat	cctaagatga	tgatgacata	aactttc		707

<210> 9185  
 <211> 414  
 <212> DNA  
 <213> Homo sapiens

<400> 9185						
gaggaaaccg	ccttcaaattg	agctgaatac	aggctccctct	gctagttttg	atcttgtagg	60
tcagtggttc	tgaggcatga	gtgctaaagg	tcctataggt	ggcacatgga	ctccaccttc	120
ctgcatcacg	tgtttccggt	gtgatcatc	ctccagatga	gtgctcttcc	atcactggga	180
agcacctggc	ctcatgcatt	tctgataggc	cttgggtgatg	tcttaccagt	cttaggcttc	240
ccattggattc	taatgaggat	tcctcaaggt	atgggaaagg	gatagggtgt	ccacagaata	300
ttctcccaa	gcaagcaagc	caaagactga	gaattacaga	aaaacacttt	tcttagtatt	360
tttaaatattt	aatctttttt	tttcatacag	ctttattttgt	ttcttatctg	aact	414

<210> 9186  
 <211> 414

<212> DNA  
<213> Homo sapiens

<400> 9186  
gaggaaaccg ccttcaaattg agctgaatac aggtccctct gctagttttg atcttgtagg 60  
tcagtgggtc tgaggcatga gtgctaaagg tcctataggt ggcacatgga ctccaccttc 120  
ctgcatcacg tgtttccgtt gtgatcattc ctccagatga gtgctcttcc atcactggga 180  
agcacctggc ctcatgcatt tctgataggc cttggtgatg tcttaccagt cttaggcttc 240  
ccatggattc taatgaggat tcctcaagggt atgggaaagg gatagggtgt ccacagaata 300  
ttctcccaa gcaagcaagc caaagactga gaattacaga aaaacacttt tcttagtatt 360  
tttaaatttt aatctttttc tttcatacag ctttatttgt ttcttatctg aact 414

<210> 9187  
<211> 707  
<212> DNA  
<213> Homo sapiens

<400> 9187  
tatttttagt agagacgagg tttcaccatg ttagccaggc tggctcttgca ctctgacct 60  
caggtgatcc acccgcttg gcctcccagc tcattgctgat attacaggca taagccacca 120  
cacctagcca agaaaccatt ctttgaacac aagcaaatat actttggaga aaaatttaatt 180  
aatcctggca gggctacatt caacataatt ctgttatggg ggaaggcagc atgctttggc 240  
tgctcagtga gctatgttct gtacaaccaa gtgaaattgc taaaaaaga ttctcctgta 300  
tacagtaact taaagtgatg cagtctactt aagatcagat ctgagttaca aaatcaaaag 360  
tgacagctcc tatgttcttt taaagtccaa tctctttttt tcattgttgt gctccaaatg 420  
ccttgagtac ctgatgtaga gtaggtggct aataaatatt ggttgaattt cttgaacgaa 480  
tctgttatga aaagatctac tttgctcctc tctgtgcccc aatagcagga gcttgaggag 540  
aaggagaaaa tattgggtca gagcttttga ttaatatgta tgattctatt aaacgggttc 600  
actaaaccaa aaaaggcaaa ggaaaacagt taaaccaaga gttcttgagg ttaaagtctt 660  
gtgatgatta aaatcatcat cctaagatga tgatgacata aactttc 707

<210> 9188  
<211> 1262  
<212> DNA  
<213> Homo sapiens

<400> 9188  
agtaattata tcttgtagta gcaatttcat atctctactt atagttggga caattaaggc 60  
tcagaaaaat ggcaaagctg agattaaaat tcaggatttt ctgatttcta gccaatgtca 120  
tgctcatttt ctgtgttaatt tttatggctc aggggtccagt taaaaacgtc tgaagggagt 180  
ggtaagtaca agagagatgg gagttggggg tggggcttga aggagagcac acctggcccc 240  
aggtgacaag actgggctcc agccctgcct catcacagtt ggacatgatg gccctgggtc 300  
atttgacttt tgaggacctc aggaaaatga gggagcttaa aaaattctat ggttctctaat 360  
gaaatactta gggatgaaat tacagtctct ggatttgctt gaagacacaa tcagccatgg 420  
tttgtcactg ttgatgctga gtaatggata tttggtgttc tattgtgagt ctttgggtaca 480  
tgtttggaat ttccatgaa aaaaccttct gcttctaaaa tgcacacctt gattcttccc 540  
atcgccctcc tactggctgg tcctgtgcag ctcaactcatt tctcaggaac agcagcagac 600  
tcactactct gaaggaaaga aagccctttg ctttgggtctg ttctaatgt acatattatt 660  
agagactttt ccgacaccct ccccatTTTT ttttcttaa cagctaatac gatagctgtg 720  
ctttcataat aaattcaaaa gctgctctct atttctcacc agtttgaatt gtagaaaaga 780  
gtacaaaaga ttagagtact ttaaaataaa tctcagctaa ttatacatac aactgcattc 840  
actaaatgtg aatatttttca ggctttcttt gctaccaagt gccacctgct catgatttaa 900  
atgggcacaa atttagttcc attaaacaaa atgcagcaac tcttctccta tagcgcaaac 960  
tcctttagggt cctattttga aactgagaag ctaattccag tgttctcttg ttagctctcg 1020  
gtccatgtca accacccac aagggtgttt acttgaatag tttgcagcct tgctttaaaa 1080  
gttctagtag gcaaatagggt ttgttgatga tgaagtgggt tgtgttttat aagagtcctt 1140  
atgggtctaga tggcatttga acttgtgggt ccagtgatta ccaggacct gaattgaaga 1200  
atacatgctg tggccttttc agctcaggaa actttttact ttctattgcc aaaaaaaaaa 1260  
aa 1262

<210> 9189  
<211> 2239  
<212> DNA  
<213> Homo sapiens

<400> 9189  
gaaaattatc tgaaattcaa atttcagtgt ccttaagtaa agttctattg gaacatggcc 60  
acacatttat ttatatatct tcttgtggct gttttctgct acagctgcag cgtcttatac 120  
taaacagact gtatggccca taaagcctca aatattttact ttatgggact cgatggaaac 180  
tttactgacc cctgatctca gtgtttcttt taagcattgc aaagatagtt tgcaaaaatg 240  
ctatgagagc tctatgatgg cattagatac ctaaagttag cagctgaaaa aaatttccta 300  
aagtgggtatt aggcctaaaa aaaagtgatt ctagggtctac ttaaacaaga agttttttaca 360  
gcaagagtta catcctctac tcatttttaat gtctaggtaa gccagagctt taaatcctgt 420  
attaattttac ctgtgaaaat atttcataat ctcccttttg tgccgtgtgt gcgttggatt 480  
ccccagtggg tgtatagatg aattttataat ttatgtggct ggatggaagc ctgggtaaat 540  
acaagcataa acaacatcag gcaatgccag tcgatagact gcgattccag gatgtgttct 600  
gtccaggcct gccgttcatt ccaaaggcct gcatttcaaa gctgcaggct tggagctggg 660  
actgctggga aggtgggggg cagggttcag aactgggttg gcttaggaag gtaccaggag 720  
agtgcacctt ctagtacttg aaatgtccct ccatttttag gacacaggag tggcctacct 780  
ttcatctaac aaagacaaga gaattgaacg ctgattgtct ttgtctttga aggggtttatt 840  
gctttacctc ttactctcac ctggcttttg cacctctgtc atttcttcat ttactgtttt 900  
ttctagcata cttttaactt ctttctgtac tttctctttc caactgctgt ccacatgcca 960  
cctgtgtata gaatcccaag aaaacataac ccaccattag aatttttagt gctaaactat 1020  
ataagaactt tgagctgtag attaacatcc tctaccttcc tttgggtgcca tttgtttacc 1080  
cctttttccg aacaaaaaac aatacctgcc cctgttccaa aggtgtctta ctattccaat 1140  
aaagaatgca tgcctgggaa taaaaagaag cttagactac tgttccaatg gagctaagtg 1200  
ttcaaagaaa ttccctgaatt catttccttg gggaaaaaat gtggttagtg acctggaaac 1260  
tactaacaac ttataaaact caatactctg atggcgactc tgttcgcttt acccctaaga 1320  
catcttgaaa ggaaagactt ttgtcagagt tgggcttcta aagttttaat aggaaattga 1380  
ggcactttct gtataattca agccaaagat tttttttttt ctgggtttga atgattggat 1440  
aattgcctca attctctgtt ccatgtaatt gagatcactt gactcttctt agtgctaata 1500  
aagagatgtt gggattcacg gtttattaac caaacttttc agtttgtgga cctgtcattc 1560  
aaaactgcaa acaaggctga tcccatgcaa aatagactac tgcctttatg ctgtactaag 1620  
aatcagtcct tcttaaagga tgcatttata acctttatgc aatgaggaaa tttccaggta 1680  
gccaattttc tttatagtgc taccagcctt cagcaagctt aaactctgcc ctgcaagcct 1740  
gaaaccctgc ttctctaaga ttctacataa caggagatta aacatccaaa tgtgtataat 1800  
cgcattcttg acagtatgaa gaagctgtct tggaatattg ttaactatta gaatacttaa 1860  
agtgtgcaca tcacccaatt taggatttct tggtaatagt agcctatact ttagaaaatt 1920  
aaagaggagg aaggggccgg gcacagcggc tcacacctat aatcccagca ctttgggagg 1980  
ccgagggtgg cagatcactt gaggtcagga gtttgagacc agcttggcca acatggagaa 2040  
acgccatctc tactaaaaat acaacaaata attagccagg tgtgggtggc tgtgcctgta 2100  
atcccagcta ctttggaggc tgaggcaggg aatcgcttga acctgggaag cggaggttgc 2160  
agtgaagcaa gattgcacca ctgcactcca gctagggtga cagagtgtga cctgtctctc 2220  
aaaaaaaaaa aaaaaaaag 2239

<210> 9190  
<211> 2239  
<212> DNA  
<213> Homo sapiens

<400> 9190  
gaaaattatc tgaaattcaa atttcagtgt ccttaagtaa agttctattg gaacatggcc 60  
acacatttat ttatatatct tcttgtggct gttttctgct acagctgcag cgtcttatac 120  
taaacagact gtatggccca taaagcctca aatattttact ttatgggact cgatggaaac 180  
tttactgacc cctgatctca gtgtttcttt taagcattgc aaagatagtt tgcaaaaatg 240  
ctatgagagc tctatgatgg cattagatac ctaaagttag cagctgaaaa aaatttccta 300  
aagtgggtatt aggcctaaaa aaaagtgatt ctagggtctac ttaaacaaga agttttttaca 360  
gcaagagtta catcctctac tcatttttaat gtctaggtaa gccagagctt taaatcctgt 420

attaattttac	ctgtgaaaat	atttcatatt	ctcccttttg	tgccgtgtgt	gcgttggatt	480
ccccagtggg	tgtatagatg	aattttataat	ttatgtggct	ggatggaagc	ctgggtaaat	540
acaagcataa	acaacatcag	gcaatgccag	tcgatagact	gcgattccag	gatgtgttct	600
gtccaggcct	gccgtttcatt	ccaaaggcct	gcattttcaa	gctgcaggct	tggagctggg	660
actgctggga	agggtggggg	cagggttcag	aactgggttg	gcttaggaag	gtaccaggag	720
agtgcacctt	ctagtacttg	aaatgtccct	ccattttgag	gacacaggag	tggcctacct	780
ttcatctaac	aaagacaaga	gaattgaacg	ctgattgtct	ttgtctttga	aggggtttatt	840
gctttacctc	ttcacttcac	ctggcttttg	cacctctgtc	atttcttcat	ttactgtttt	900
ttctagcata	cttttaactt	ctttctgtac	tttctctttc	caactgctgt	ccacatgcc	960
cctgtgtata	gaatcccaag	aaaacataac	ccaccattag	aatttttagt	gctaaactat	1020
ataagaactt	tgagctgtag	attaacatcc	tctaccttcc	tttgggtgca	tttgtttacc	1080
ccttttttccg	aacaaaaaac	aatacctgcc	cctgttccaa	agggtgtcta	ctattccaat	1140
aaagaatgca	tgcttgggaa	taaaaagaag	cttagactac	tgttccaatg	gagctaagt	1200
ttcaaagaaa	ttcctgaatt	catttccctg	gggaaaaaat	gtgggttagt	acctggaaac	1260
tactaacaac	ttataaaact	caataactct	atggcgactc	tgttcgcttt	accctaaga	1320
catcttgaaa	ggaaagactt	ttgtcagagt	tggtcttcta	aagttttaat	aggaaattga	1380
ggcactttct	gtataattca	agccaaagat	tttttttttt	ctgggtttga	atgattggat	1440
aattgcctca	attctctgtt	ccatgtaatt	gagatcactt	gactcttctt	agtgtctaata	1500
aagagatgtt	gggattcacg	gtttattaac	caaacttttc	agtttgtgga	cctgtcattc	1560
aaaactgcaa	acaaggctga	tcccatgcaa	aatagactac	tgcttttatg	ctgtactaag	1620
aatcagtcct	tcttaaagga	tgcatttata	acctttatgc	aatgaggaaa	tttccaggt	1680
gccaattttc	tttatagtgc	taccagcctt	cagcaagctt	aaactctgcc	ctgcaagcct	1740
gaaaccctgc	ttctctaaga	ttctacataa	caggagatta	aacatccaaa	tgtgtataat	1800
cgcattcttg	acagtatgaa	gaagctgtct	tggaatattg	ttaactatta	gaataactta	1860
agtgtgcaca	tcaccaaat	taggatttct	tggtaatagt	agcctatact	ttagaaaatt	1920
aaagaggagg	aaggggccgg	gcacagcggc	tcacacctat	aatcccagca	ctttgggagg	1980
ccgaggtggg	cagatcactt	gaggtcagga	gtttgagacc	agcttggcca	acatggagaa	2040
acgccatctc	tactaaaaat	acaacaaata	attagccagg	tgtggtggcc	tgtgcctgta	2100
atcccagcta	ctttggaggc	tgaggcaggg	aatcgcttga	acctgggaag	cggaggttgc	2160
agtgaagcaa	gattgcacca	ctgcactcca	gctagggtga	cagagtgtga	ccctgtctcc	2220
aaaaaaaaaa	aaaaaaaaag					2239

<210> 9191  
 <211> 452  
 <212> DNA  
 <213> Homo sapiens

<400> 9191						
gaggggcggt	ctccattttg	ttggtaccta	gcccctgggg	tgagttaggg	caattttctat	60
attggcttgg	tgtgtgaaa	ttagataaag	gggaagggtg	cggctatgtt	cttgacaata	120
gttagatatg	ctcagggtct	agtcctttgc	tgtctccaag	aattagctag	tcctgggagt	180
ctcttccctg	ccagcaaaat	ttataagata	ccagaacatc	ataagataca	gaaaaaaaaa	240
cgtgatgaat	gcaacttcac	aatattgcct	ccttttttct	tgactgcctt	ttccctgatc	300
cctctaccac	tttgggttatt	gtgacagcaa	caagattcat	ctttcaacca	tctacaccag	360
gggtcagcaa	actatgggct	gatggccaga	tctagccagc	tgcttggttt	gtatggccca	420
caaggtaaca	atgctagaaa	aaaaaaaaag	ag			452

<210> 9192  
 <211> 501  
 <212> DNA  
 <213> Homo sapiens

<400> 9192						
ctgcttggag	aaaatgaaag	ttagcaaaaa	tcacctttct	ccagatgaat	cgttgtggga	60
aagtaagttt	agcagaatgt	gctgtcaact	tggttgagat	aaggcagttg	gaggactggc	120
attattaaat	tttctgtggt	gcaattaggg	gtcctcctaa	gtgcagggtg	gctgtgggtg	180
ggagttaatg	tatgctcagt	aaatatgtgc	tgaatgcatg	agcaaggcag	ttattaatct	240
ggttatcatt	ggggattcac	aaatttcact	ttatatcttg	taacaaatct	caaattgtgc	300
ccctgaaaca	tctggatttt	gaaaagtgat	tccaatccat	tgtcatgggt	ggcactatcc	360

ccagaaatca	acaaaggaaa	tccaagccac	tgagggtttt	taaaaaattt	tgagtattaa	420
ctagactgtt	atactcttct	gtgtttatat	gtagtaccaa	taatcaagac	aataaatcca	480
tctttaacaa	taatataaaa	a				501

<210> 9193  
 <211> 501  
 <212> DNA  
 <213> Homo sapiens

<400> 9193						
ctgcttggag	aaaatgaaag	ttagcaaaaa	tcacctttct	ccagatgaat	cgttgtggga	60
aagtaagttt	agcagaatgt	gctgtcaact	tggttgagat	aaggcagttg	gaggactggc	120
attattaaat	tttctgtggt	gcaattaggg	gtcctcctaa	gtgcagggtga	gctgtggtga	180
ggagttaatg	tatgctcagt	aaatatgtgc	tgaatgcacg	agcaaggcag	ttattaatct	240
ggttatcatt	ggggattcac	aaatttcact	ttatatcttg	taacaaatct	caaattgtgc	300
ccctgaaaca	tctggatttt	gaaaagtgat	tccaatccat	tgtcatgggt	ggcactattc	360
ccagaaatca	acaaaggaaa	tccaagccac	tgagggtttt	taaaaaattt	tgagtattaa	420
ctagactgtt	atactcttct	gtgtttatat	gtagtaccaa	taatcaagac	aataaatcca	480
tctttaacaa	taatataaaa	a				501

<210> 9194  
 <211> 452  
 <212> DNA  
 <213> Homo sapiens

<400> 9194						
gaggggcggt	ctccatttgc	ttggtaccta	gcccctgggg	tgagttaggg	caatttctat	60
attggcttgg	tgtgtgaaag	ttagataaaag	gggaagggtg	cggctatggt	cttgacaata	120
gttagatatg	ctcagggctc	agtccttgcg	tgtctccaag	aattagctag	tcctgggagt	180
ctcttccctg	ccagcaaaaat	ttataagata	ccagaacatc	ataagataca	gaaaaaaaaac	240
cgtgatgaat	gcaacttcac	aatattgcct	cctttttcct	tgcaactgcct	ttccctgatc	300
cctctaccac	tttggttatt	gtgacagcaa	caagattcat	ctttcaacca	tctacaccag	360
gggtcagcaa	actatgggct	gatggccaga	tctagccagc	tgcttgtttt	gtatggccca	420
caaggtaaca	atgctagaaa	aaaaaaaaaga	ag			452

<210> 9195  
 <211> 3690  
 <212> DNA  
 <213> Homo sapiens

<400> 9195						
gccttctctga	ccctagatgg	gctttgtaaa	aagagcaagt	cgtgtgtgcc	agcctgtgca	60
gcagtgaggg	cacaggcagc	accagggtcc	cgggtgtgtg	ggtgctgccc	cagcttgacg	120
tgtggtctcc	tcgggtgctg	ccacagctgt	gggtccccag	gaatattgtg	ctgcagggtc	180
tagacagatt	tgggtactac	tggttctctg	ttcagcgtgg	cctggacagt	ccacagatgg	240
tagtagacca	tgggggtgtg	agatgcaagg	agactctgcc	gttctttcac	attctgcttt	300
tgctcctgac	agcttaggaa	agctctcttt	gaaacttttg	tatgtgtgga	cctgagattg	360
aatgtatctg	aaaggttgct	aattttctac	tgtccttgct	tcccaggacg	ccaggaaagc	420
atgtgcagat	gcaactctct	ctcaggtaag	agccactga	gtcacgcaga	gccatctgcc	480
tgtgaggagg	ctagcacggc	acccacacct	ggagcctcgg	gagggctctg	cttgcatctc	540
ctgttgcgca	gtgaggatgc	caagccactg	cttttattaa	gaagtcattc	tgatggtagg	600
cataggaaat	agaggggctt	attgagataa	aaatgagata	tctcaagcct	tgaataatca	660
tctacctgtt	acagagggtg	atagttgtaa	aatattgtta	ttgtcttaag	atattttgaa	720
gctcctctcc	tcaacagaat	ctgcctcaga	acttctatct	ctaataatcca	atttgataat	780
acctcaaaaa	gttaaacata	gaattattgt	atgactcagc	agttctgcca	ttaaatatat	840
gccaacacag	attgaacact	gcttttcaaa	cacacacatg	tacatagcag	caccattcac	900
aatagccaaa	atgtagaaac	aaccaaaatg	tgcataaatg	aatgagtgga	gaaacaaatt	960
gtgggtgtctc	tgtgccctgg	agtattatca	gccattaaat	ggacgtcagt	acagtcagag	1020



gctgcaacgt	ggataaaccc	cataaatatt	acgatagtga	gagaagccaa	acaaatggct	1080
atgtattgtt	tagttctatt	tatatgaaat	atctagaata	gtaacattca	ctgagacaga	1140
gtggactagt	ggccagcagg	ggtgttaggg	gagagagggg	gaggaagtga	acagggagtg	1200
actgctgaat	caatgtctgg	tctccttttg	gaagatgggt	tgggaactaga	tgggtggcagt	1260
ggtttttacaa	caatgagtgt	actaaatgcc	actgaactgt	agacttttaaa	gtgatttaatt	1320
ggatgtttacg	tgaacttcac	cttatttaaaa	aaatgaagtc	catcccagca	ctttggggagg	1380
ccgagggcagg	tggatcactt	gaggtcagga	gttcgagacc	agcctaacca	acatggtgaa	1440
accctgtccc	tactaaaata	caaaaattag	ccaggcatgg	tggcacacac	ctgtaatccc	1500
agctactcag	ggggctgagg	caggagaatt	gcttggaccc	gggaggcaga	ggttgccagt	1560
agcagagatc	gcaccactgc	actccagcct	gggagacaga	gcgagactcc	atcttaaaaa	1620
aaaaaaaaaa	aaaaaaaaag	aataaaaaat	aagtccaaat	aattggacag	aaatgtgaaa	1680
gaaaaactat	attcctactt	ctactgaaga	tgattaagtt	ttttacattg	tctaaatgct	1740
ttaggggatg	tgcttttaatt	gaggtttaaat	tgtaagttaa	agaaaaaaa	attaggctac	1800
atagaattac	ctgaattttca	attctgagaa	gcacttttga	ctgtccgttt	ttaaaaccca	1860
ctattgtaat	ccacttactc	cgtttgccaa	cctaaactca	ttaacatcag	tgtctatatg	1920
taggatgggc	tcagcagggtg	tgtgtacagc	tgggtgctcca	agtgatggtc	gtgcagaagc	1980
aggtgtcatg	caggcccaca	catagcctga	cataggaacc	agctattaaa	ttgtgggtgtg	2040
ggacatctgt	gtgggtgtcat	aagaagagtt	gcgagatctc	aaagaactca	gagacctagg	2100
aggagatggg	cctggatgga	cagggagagg	aggaaggaag	caggaagggg	acagcaagtg	2160
cttcaaggct	ggccatgttc	gtgtgcgtgc	attggagggc	agggcacaca	ggttcctgat	2220
gaccagccag	actgagactt	ggtaaagagt	acggaagggg	ttcagtgcag	aatgccacag	2280
tgggaagccac	tggagaactg	tgggaagggc	tgggaagagg	taggcacagt	gggcgagcca	2340
acagccttga	caaggatggg	tgatgaggag	aatcgtttta	tcacagatgt	tgattttacag	2400
aaatgttttt	attttcaaga	tcacaaacaa	catcgacca	gtgggaagaa	tccaaatgcg	2460
cacgaggagg	acactgcggg	ggcacctggc	caagatctac	gccatgcact	ggggcacaga	2520
ctccaggtag	gcgtgggcat	gagcaggatg	ctgcttggtta	cattcagggg	ctgctctgtt	2580
gtcctagggg	aaaagtacct	gaacccattt	gctgtgctgt	gcagtgaaga	aattaggaag	2640
ttgaatcaga	actctgggca	cgcaagggtg	agcgttcaca	ggtgcatatt	ccctgtccag	2700
ttttccactt	acctgggctg	aaagaacact	gccatttctt	cactgtctga	atcacattaa	2760
tacaagttct	gatttttctt	tctcccttct	cctgtctctt	tcagtttcta	gacctctgtc	2820
ttcccagttc	tactgcaccc	tacttatgtg	aactggggaa	gttacctctc	tgtgcctggt	2880
tctcaagggc	tggttggccc	tcgccctctt	gtgatgtcag	tgccctggct	caggaaatca	2940
cagaacctgc	cccaggatc	ctgagggatt	aagtgtattg	agccttagaa	cagcattgtg	3000
ctgtgtgtgc	tttgcctgcg	cagacacacg	ggaatgcgct	gtgagctgct	ctcaccattc	3060
tctcatctgg	cctgtctgcc	ctgccttctt	ttggttttacc	atcccaagag	ataattccct	3120
tcattgggctc	ctatttggtc	ttttcttttt	tctttttttt	ttttttttta	aagacggagt	3180
ctcactgtgt	tgcccagcct	ggagtgcggt	ggggcaatct	cggctcactg	caagctccgc	3240
ctcccgggtt	cacgccattc	tctgcctca	ccctccctag	tagctgggac	tacaggcgcc	3300
tgccaccaca	ctggctaatt	tttttgattt	tttagtagag	atgggggttt	accatgttag	3360
ccaggatggg	ctggatctcc	tgacttcacg	atccaccgcg	ctcggcctcc	caaagtgatg	3420
ggattacagg	cgtgagccac	tacgcccagc	ctcttttttt	cttttttttt	tttttttttt	3480
ttttgagaca	gggtctcact	cagtcattgt	ggagtgcagt	ggtgtgatca	tatctcactg	3540
cagcctcgac	gtcctaggtc	ccagtaacct	ttcctactca	gcctcccaag	tggcataggc	3600
cacaggcatg	tgccaccatg	cctggctaatt	attttttggg	tttttacaga	gacagggctc	3660
ccctttgttg	ctgacactgg	tctcaaaactc				3690

<210> 9196  
 <211> 142  
 <212> DNA  
 <213> Homo sapiens

<400> 9196						
cgggcgccgt	tagtcccagc	tactcgggag	gctgaggcag	gagaatggcg	tgaacccagg	60
aggtggagct	tgcagtgagc	cgagattgtg	ccactgaact	ccagcctggg	cgacagagcg	120
agactctgtc	tcaaaaaaac	aa				142

<210> 9197  
 <211> 1202  
 <212> DNA

[illegible]

aagaaaagaa	aagaaaatat	aaggatgtaa	aagaagcaat	ttgcttgcac	atctgaatat	60
ccttcttggtg	cctccatttt	cactcttgaa	aactgaaagc	aatttgactt	ttattttttgt	120
ttttctaaag	aacagctagg	tgaaggagg	ttaagctgat	tgctactctg	cctgccact	180
acctactccc	caccatgggtg	tttcatgaaa	catccccacc	acctgaagtg	atcttttttaa	240
tccttgatgat	agtaaatgca	ttgataatta	acaggaaaaa	catgttttta	aataatctac	300
aaatgagaac	ccaaatatga	gtgtttttgt	tgacagaagt	aaatcaataa	ttatggttta	360
aatataatgc	aaaatttcag	gcaggttaat	ttggacttcc	cttaccctaa	gagggttttt	420
cttataataa	ggagaagagg	tgtggttcaa	agaaaattaa	gagacaaaac	cttcaggtag	480
ataatgcatg	aaaatcttta	aatgcctgca	aaaattaagt	tctgttataa	taccagccaa	540
ttctgaatta	gccaatgcc	taaaagcatc	taacaattta	aggttatctt	atgagtccta	600
tgaaaacaat	tatttggtgc	taaatttgag	tttagctac	caacgccatg	tttacgtgac	660
aagaaattgt	tttgccctg	tggtttatga	cgtgctgctg	gataagcatt	tatgtaaaac	720
tgagattttc	aaagagaacc	atttacaatt	ggaatttcca	cctgtgtggc	tgtttgcaga	780
cctacctctg	ttctccattt	tgcatctgtg	cagtgctata	attagtttga	tcactttgtc	840
ttgttttttca	gtgtctacaa	ttatagctta	ttcactatgt	tctaactatt	taaaaaataat	900
gggccgggcg	cggtggctca	tgcttgtaat	cccagcactt	tgggaggccg	aggtgagcag	960
atcacaaggt	caggagatcg	agaccatcct	ggctaacaca	gtgaaacccc	gtctctacta	1020
aaaatacaaa	aaaattagtc	gggcatgggtg	gcgggcgcct	gtagtcccag	ctactcggga	1080
ggctgaggca	ggagaatggc	gtgaacctgg	gaggcagagc	ttgcagttag	ccaagattgt	1140
gccctgac	tccagcctgg	gcaacagagc	gagactctgt	ctcaaaaaaa	aaaaaaaaaa	1200
aa						1202

<213> Homo sapiens

cgtggtggcg	ggcgctgtga	gtcccagcta	ctcggggaggc	tgaggcagga	gaatggcgctg	60
aacctgggag	gcgagagcttg	cagtgagccg	agatcgcgcc	actgcactcc	agcctgggcg	120
acagagcgag	agtccgtctc	aaaaaaaaa	aaaaaaaaaga	aaagaaaaaa	gaacaaacaa	180
cagc						184

<213> Homo sapiens

```
gtagtcccg  ctactgggga  ggctgaggca  ggagaatggc  gtgaacctgg  gaggcggagc      60
ttgcagtgag  ccgagatcgc  gccactgcac  tccagcctgg  gcgacagagc  gagactccgt     120
ctcaaaaaaa  aaaaaaagaa  atg                                     143
```

<213> Homo sapiens

aatacaaaaa	attagccggg	tgtggtggcg	ggcgctgta	gtcccagcta	ctcgggaggc	60
tgaggcagga	gaatggcg	aaccgggag	gtggagcttg	cagtgagctg	agatcgtgcc	120
actgcactcc	agcctggg	acagagcgag	actccgtctc	aaaaaaaacc	cacaaacaac	180
aaa						183

<210> 9201  
 <211> 175  
 <212> DNA  
 <213> Homo sapiens

<400> 9201  
 cgggcgtagt ggcgggcgcc tgtagtccca gctacttggg aggctgaggg aggagaatgg 60  
 cgtgaacccg ggaggcggag cttgcagtga gccgagattg cgccactgca ctccagcctg 120  
 ggcgacagag cgagactccg tctcaaaaaa aaaaaaaaaa aaaaaaaaaa atcac 175

<210> 9202  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 9202  
 agctacttgg gaggctgagg caggagaatg gcgtaaccc gggaggcgga gcttgcagtg 60  
 agccgagatc ccgccactgc actccagcct ggcgacaga gcgagactcc gtctcaaaaa 120  
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaagaaca aa 162

<210> 9203  
 <211> 193  
 <212> DNA  
 <213> Homo sapiens

<400> 9203  
 aaaaattagc cgggcgtggt ggcgggcgcc tgtagtccca gctactcgag aggctgaggg 60  
 aggagaatgg cgtgaacccg ggaggcggag cttgcagtga gccgagatcg cgccactgca 120  
 ctccagcctg ggcgacagag cgagactccg tctcaaaaaa aaaaaaaaaa aaaaaaaga 180  
 tcagaaaaaa ata 193

<210> 9204  
 <211> 1209  
 <212> DNA  
 <213> Homo sapiens

<400> 9204  
 aagaaaagaa aagaaaatat aaggatgtaa aagaagctat ttgcttgcac atctgaatat 60  
 ccttcttgtg cctccatttt cactcttgaa aactgaaagc aatttgactt ttatttttgt 120  
 ttttctaaag aacagctagg tgaaaggagg ttaagctgat tgtcactctg cctgccact 180  
 acctactccc caccatggtg tttcatgaaa catccccacc acctgaagtg atctttttta 240  
 tccttgtgat agtaaatgca ttgataatta acaggaaaaa catgttttta aataatctac 300  
 aaatgagaac ccaaatagta gtgttttgtt tgacagaagt aaatcaaata ttatggttta 360  
 aatataatgc aaaatttcag gacagttaat ttggacttcc cttaccctaa gagggttttt 420  
 cttataataa ggagaagagg tgtggttcaa agaaaattaa gagacaaaac cttcaggtac 480  
 ataatgcatg aaaatcttta aatgcctgca aaaattaagt tctgttataa taccagccaa 540  
 ttctgaatta gccaatgccc taaaagcatc taacaattta aggttatctt atgagtccta 600  
 tgaaaacaat tatttgttgc taaatttgag ttttagctac caacgccatg tttacgtgac 660  
 aagaaattgt tttggccctg tggtttatga cgtgctgctg gataagcatt tatgtaaaac 720  
 tgagtatttc aaagagaacc atttacaatt ggaatttcca cctgtgtggc tgtttgcaga 780  
 cctacctctg tcttccattt tgcactctgt cagtgtctata attagtttga tcaactttgtc 840  
 ttgtttttca gtgtctacaa ttatagctta ttcaactatg tctaactatt taaaaataat 900  
 gggccgggcg cgggtggctca tgccctgtaat cccagcactt tgggaggccg aggtgagcag 960  
 atcacaaggt caggagatcg agaccatcct ggctaacaca gtgaaacccc gtctctacta 1020  
 aaaatacaaa aaaatttagtc gggcatggtg gcgggcgcct gtagtcccag ctactcggga 1080  
 ggctgaggca ggagaatggc gtgaacctgg gaggcagagc ttgcagtgag ccaagattgt 1140  
 gccactgcac tccagcctgg gcaacagagc gagactctgt ctcaaaaaa aaaaaaaaaa 1200  
 aaaaaaaaaa 1209

[illegible]

```
<210> 9206
<211> 153
<212> DNA
<213> Homo sapiens
```

```
<210> 9207
<211> 193
<212> DNA
<213> Homo sapiens
```

```
<210> 9208
<211> 136
<212> DNA
<213> Homo sapiens
```

```
<210> 9209
<211> 150
<212> DNA
<213> Homo sapiens
```

$$\begin{array}{ll} \langle 210 \rangle & 9210 \\ \langle 211 \rangle & 142 \end{array}$$

<212> DNA  
<213> Homo sapiens

<400> 9210  
cccagctact caggaggctg aggcaggaga atggcgtgaa cccgggaggc ggagcttgca 60  
gtgagccgag atccccccac tgcactccag cctgggacgac agagcgagac tccgtctcaa 120  
aaaaaaaaa aaaaaaatg ga 142

<210> 9211  
<211> 181  
<212> DNA  
<213> Homo sapiens

<400> 9211  
caaaagttag cccggcgtag tggcgggagc ctgtggtccc agctactcgg gaggctgagg 60  
caggagaatg gcgtgaaccc gggaggcgga gcttgacagt agccgagatc gcgccactgc 120  
actccagcct ggggtgacaga gcgagactcc gtctcaaaaa aaaaaaaaaa aaaaaaagat 180  
t 181

<210> 9212  
<211> 166  
<212> DNA  
<213> Homo sapiens

<400> 9212  
ggcgtgagcc tgtagtccca gctactcggg aggctgaggc aggagaatgg cgtgaacccg 60  
ggaggcgag cttgcagtga gccgagatcg tgccactgca ctccagcctg ggtgacagag 120  
caagactccg tctcaaaaaa aaaaaacaaa aaaaacatgt aggag 166

<210> 9213  
<211> 379  
<212> DNA  
<213> Homo sapiens

<400> 9213  
ggatatgagc ctatatagtt gccttattgt gcaagcttct acatttttca tgaagtggtc 60  
catgaagtgg gctgtgaaaa gttaaagaca tgtattgttaa tccctagagt aaccactaaa 120  
taaataatgc aaagaagaat ggctaaaaag gcaatagtaa aatattttta ttctaaaata 180  
atattcaaat aatttggttaa aatgcagaag aacaaaaaaa aagctagtat aattacaata 240  
ataaaatgat agaccacaac caaacatat aaaccaaaga taaacctgat aatttggtgc 300  
cctgttaata acattttaa tgttatctgc ttgggaattc tacttttttt tttttttttt 360  
gagacattat cttactctg 379

<210> 9214  
<211> 268  
<212> DNA  
<213> Homo sapiens

<400> 9214  
cggccgaatt ctgccctccg ctaacgagct atagctttgt ggaaatgggc gaggggcgtg 60  
ccctgtgag cctcagggcc gcatctgtaa aatgggcata actgtcatgc ctgtctttta 120  
gaacagcctt gggggtaaat gagggaact catggaaaga tctcagcca caaccttcca 180  
cagaacaggc gcttctcaca cagtaagtag caggagtgca gaggctgcag gcatgaatcc 240  
agccagactg cctgggttca agtcccag 268

<210> 9215

<211> 368  
 <212> DNA  
 <213> Homo sapiens

<400> 9215  
 ggcattgggca aggacttcat gtctaaaacg ccaaaagcaa tggcaacaaa agacaaaatt 60  
 gacaaatggg atctaattaa actaaagagc ttctgcacag caaaagagtc taccatcaga 120  
 gtgaacaggc aacctataca atggggagaaa aatttttgcaa tctactcatc tgacaaaggg 180  
 ctaatatcca gaatctacag tgaactcaaa caaattttaca agaaaaaac aaacaacccc 240  
 atcaaaaagt gggcaaagta tatgaacaga cacttctcaa aagaagacat ttatgcagct 300  
 aaaagacaca tgaaaaaatg cccatcatca ctggccatca gagaaatgca aatcaaaacc 360  
 acaatgag

<210> 9216  
 <211> 4704  
 <212> DNA  
 <213> Homo sapiens

<400> 9216  
 tattattata ctttaagttt cagggtacat gtgcacaatg tgcaggtttg ttacacatgt 60  
 atacatgtgc catgttggtg tgctgcaccc atcaactcgt catttagcat tagatatatc 120  
 tcctaagtct atccccccc actcccccta cccacacaac gtccccggtg tgtgatgttc 180  
 cccttctctg gtccatgtgt tctcattgtt caattctcat ctatgagtga gaacatgtgc 240  
 tgtttggttt tttgtccttg caatagtttg ctgagaatga tggtttccag cttcatccat 300  
 gtccctacaa aggacatgaa ctcatccttt tttatggctg catagtattc catggtgtat 360  
 atgtgccaca ttttcttaat ccagtctatc attgttggac atttcggttg gttccaagtc 420  
 tctgctattg tgaatagtgc cgcaataaac atacatgtgc atgtgtcttt atagcagcat 480  
 gatttacaat cctttgggta tataccagc aatgggatgg ctgggtcaaa tggattttct 540  
 agttctagat ccctgaggaa tcgccacacc gacttcaca atgggtgaac tagtttacag 600  
 tcccacaaac agtgtaaaag tgttcttatt tctccacatc ctctcagcac ctgttggttc 660  
 ctgacttttt aatgatctcc attctaactg ttgtgagatg gtatctcatt gtgggtttga 720  
 tttgcatttc tgatgatggc cagtgatgat gagcattttt tcatgtgttt tttggctgca 780  
 taaatgtctt cttctgagaa gtatctgttc atatcctttg cccacttttt gatgggggtg 840  
 tttgtttttt tcttgtaaat ttgtttgagt tcattgtaga ttctggatat tagccctttg 900  
 tcagatgagt aggttgcaaa aactttctcc cattctgtag gttgcctgtt cactctgatg 960  
 gtgggtttct ttgtctgtga gaagctcttc agtttaatta gatcccat ttgtcaattttg 1020  
 gcttttggtt ccattgtctt tgggtgttta gacatgaagt tcttaccat gccatgtcc 1080  
 tgaatgggat tgcctaggtt ttcttctagg gtttttatgg ttttaggtct aacatgtaag 1140  
 tctttaatcc atcttgaatt aatttttgta taaggtgtaa ggaagggatc cagtttcagc 1200  
 tttctacata tggctagcag gttttccag caccatttat taaataggga atcctttccc 1260  
 cattgtctgt tttgtcagg tttgtcaaag atcagatagt ttagatatg tgacattatt 1320  
 tctgagggct ctgttctgtt ccattggtct atatctctgt tttggtacca gtaccatgct 1380  
 gttttgggta ccatagcctt gtagtatagt ttgaagtcag gtagtgtgat gcctccagct 1440  
 ttgttctttt ggcttaggat tgacttggca atgtgggctc ttttttgggt ccatatgaac 1500  
 tttaaagtag ttttttccaa ttctgtgaag aaagtcattg gtagcttgat gggaatggca 1560  
 ctgaatcttt aaatgacctt gggcagtatg gccattttca cgatattgat tcttcttacc 1620  
 catgagcatg gaatgttctt ccatttgttt gtatcccctt ttatttcatt gagcagtggt 1680  
 ttgtagtctt ccttgaagag gtccttcaca tcccttgtaa gttggattcc taggtatttt 1740  
 attctctttg aagcaattgt gaatgggagt tcaactcatga tttggctctc tgtttgtctg 1800  
 ttattgggtg ataagaatgc ttgtgatttt tgcacattga ttttgtatcc tgagactttg 1860  
 ctgaagttgc ttatcagctt aaggagattt tgggctgaga tgatgggggt ttctagatat 1920  
 acaatcatgt catctgcaaa cagggaacaat ttgacttctt cttttcgtaa ttgaatgcc 1980  
 tttatttctt tctcctgctt gattgccttg gccagaactt ccacactatg ttgaatagga 2040  
 gtgggtgagag agggcatccc tgtcttgtgc cagttttcaa agggaatgct tccagttttt 2100  
 gccattctag tatgatattg gctgtgggtt tgtcatagct agctcttatt attttgagat 2160  
 acatcacatc aatacctaatt ttattgagag tttttagcat gaagcattgt tgaattttgt 2220  
 caaaggcttt ttctgcatcc attgagataa tcatgtggtt tttgtctttg gttctgttta 2280  
 tatgtctggat tacgtttatt gattttctga tgttgaaacca gccttgcac ccaggaggga 2340  
 agcccactag atcatggttg ataaactttt tgatgtgctg ctgtatttgg tttgccagta 2400  
 ttttattgag gattttttgca tcaatgttca tcaaggatat tgggtctaaaa ttctcttttt 2460

tgggtgtgtc	tctgccaggc	tttgggtatca	ggatgattct	ggccacataa	aatgagttag	2520
ggaggattcc	ctctttttct	attgattgga	atagtttcag	aaggaatggg	accagctcct	2580
ccttgtacct	ctggtagaat	tcggctgtga	atccatctgt	tcctggactt	tttttgggtg	2640
gtaagctatt	gattatttcc	tcaatttcag	tgcctgttat	tggatatatt	agagattcaa	2700
ctcttctctg	gtttagtctt	gggaggatgt	atgtgtcaag	gaatttatcc	atttcttcta	2760
gattttgtag	tttatttgca	tagagggtgt	tatagtattc	tctgatggta	gtttgtattt	2820
ctgtgggata	gggtgggtgata	tcccccttat	cattttttat	tgcgtctatt	tgattcttct	2880
ctcttttctt	ctttattagt	cttgctgtct	atcaattttg	ttgatctttt	caaaaaacca	2940
gctcctgaat	tcattaattt	tttgaagggt	tttttgtgtc	tctatttcct	tcagttcttc	3000
tctgatctta	gttatttctt	gccttctgct	agcttttgaa	tgtgtttgct	cttgcttctc	3060
tagttctttt	aattgtgatg	ttaggggtgt	aatttttagat	ctttcctgct	ttctcttttg	3120
ggcatttagt	gctataaatt	tccctctaca	cactgctttg	aatgtgtccc	agagattctg	3180
gtatgttgtc	tttgttctca	ttggtttcaa	agaacacctt	tatttctgcc	ttcatttctg	3240
tatgtaccca	gcagtcattc	aggagcaggt	tgctcagttt	ccatgtagtt	gagtgggttt	3300
gagtgaagtt	cttaatcctg	agttctagtt	tgattgcact	gtgggtctgag	agacagtttg	3360
ttataaattc	tgttctttga	catttgctga	ggagtgcctt	acttccaact	atgtcaattt	3420
tgggaatagg	gtgggtgtgg	gctgaaaaga	atgtatatcc	tgttgatttg	gggtggagag	3480
ttctgtagat	gtctattagt	tccgcttggt	ttagagctga	gttcaattcc	tgggtatcct	3540
tggttaacttt	ctgtcttggt	gatctgtcta	atgttgacag	tgggggtgta	aagtctctga	3600
ttattattgt	gtaggagtct	aagtctcttt	gtagttcact	aaggacttgc	tttatgaatc	3660
tgggtgctcc	tgatttgggt	gcataataat	ttaggacagt	ttgcttttct	tggtgaattg	3720
atccccctac	cattatgtaa	tggccttctt	tgtctctttt	gatctttggt	ggtttaaagt	3780
ctgtttttat	agagactagg	attgcaatcc	ctgccttttt	ctgttttcca	tttgcttggt	3840
agatcttcct	ccatcccttt	attttgagcc	tatgtgtgtg	tctgcacgtg	agatgggttt	3900
cctgaataca	gcacactgat	gggtcttgac	tctttatcca	atttgccagt	ctgtgtcttt	3960
taattggagc	atttagccta	tttacattca	aagttagtat	tgttatatgt	gaatttgatc	4020
ctgtcattat	tatgtcagtt	ggttattttg	ctcattagtt	gatgcagttt	cttcctagcc	4080
togatgggtc	ttacaatttg	gcattgtttt	gcagtggctg	gtactgggtg	ttcctttcca	4140
tgtttagtgc	ttcttctctc	aggagctctt	ttaggacagg	cctgggtggg	acaaaatctc	4200
tcagcatttg	cttgtctgta	aagtatttta	tttctctctc	acttatgaag	cttagtttgg	4260
ctggatatga	aattctgggt	tgaaaattct	tttctttaag	aatgttgaat	attgcccccc	4320
actctctctc	ggcttgtaga	gtttctgcca	agagatcagc	tgtagtctg	atgtgcttcc	4380
ctttgtgggt	aacccgacct	ttctctctgg	ctgcccttaa	cattttttcc	ttcatttcaa	4440
ctttgggtgaa	tctggcaatt	atgtgtcttg	gagttgctct	tctcgaggat	tatctctgtg	4500
gtgttctctg	tatttctctg	atttgaatgt	tggcctgcct	tgctagattg	gggaagttct	4560
cctggataat	atcctgcaga	gtgttttcca	acttgggtcc	attctccccg	tcactttcag	4620
gtacacaaaa	cagacgtagg	tttgggtctt	tcacatagtc	ccatatttct	tggaggcttt	4680
gtttcttttt	attctttttt	ctct				4704

<210> 9217  
 <211> 1658  
 <212> DNA  
 <213> Homo sapiens

<400> 9217						
tacacaagcc	tccaccagc	ttctaattgt	ctcactgaga	acagacaaaa	ctccagtaga	60
atccttgaat	gacagcta	tgctctcaga	aaaaatccaa	aattgcctcc	ctccctta	120
tgtagtgcag	catgattctg	ttttctgct	gggcccctat	ttgcttcttt	ctgtgcaatg	180
aatcattgaa	agagtga	ccacggactt	ggagaatctt	tgtagctttt	agtctgtgtt	240
tgggtgtggc	tggagagaca	aattaacaca	cagagccgga	ccttgaaggg	gaaggtcctc	300
atttgtctca	gattgggata	atttggggaa	tcagaaaatg	tttatatcag	aaaagaagag	360
aagtcaatgt	gtttcgtagg	tttgtgggtt	tttgaaggag	aaacatctag	attctagtcc	420
tgttcctctg	cctccttctt	aggtgatgtt	agacaaaata	attcacctct	ctgagtcaat	480
ttgcttatct	gaaaaatagc	aataacaaca	gcactcattt	tactagggca	tgtgaataaa	540
cagatttttt	tcccattgag	tggcaggtat	ttattgagtg	cctactatgt	gccaggcacc	600
atcctactct	ctggggatac	agcagtgaac	aaaacagacg	cacacctagt	gatgagggat	660
ggagttaaagc	ccttagccga	tgccaggaca	gaggacatga	gtcacctgta	gtcgctgcca	720
ctgctgctat	ttcatggcta	catttttgacc	cctgtggacc	cactgaaacc	tcctcactgc	780
ctcacaggca	gaacaaggac	agggctcttg	ccaccaagtt	tactcacttg	agctgcattt	840
agattattct	tccagctagg	ccatgacagt	aggtagtggc	agctctctgt	aaagatgagg	900

<400>	9218						
tacacaagcc	tccacccagc	ttctaattgt	ctcactgaga	acagacaaaa	ctccagtaga	60	
atccttgaat	gacagcta	at	tgtctccaga	aaaaatccaa	aattgcctcc	ctcccttaat	120
tgtagtgcag	catgattctg	tttttctgct	gggccccat	ttgtctcttt	ctgtgcaatg	180	
aatcactgaa	agagtga	ccacggactt	ggagaatctt	tgtagctttt	agtctgtgct	240	
tgggcgtggc	tggagagaca	aattacacaca	cagagtgcga	ccttgaaggg	ccaaggtcct	300	
catttgcttc	atcagcggat	catttcgggga	accagaaaat	gtttatatca	gaaaagaaga	360	
gaagtcaatg	tgtttcgcag	gtttgtgggt	ttttgaagga	gaaacatcta	gattctagtc	420	
ctgttctctt	gcctccttct	taggtgatgt	tagacaaaat	aattcacctc	tctgagtcaa	480	
tttgcttate	tgaaaaatag	caataacaac	agcactcatt	ttactagggc	atgtgaataa	540	
acagattttt	ttcccattga	gtggcaggta	tttattgagt	gcctactatg	tgccaggcac	600	
catcctactc	tctggggata	cagcagtgaa	caaaacagac	gcacacctag	tgatgagggg	660	
tggagtaaag	cccttagccg	atgccaggac	agaggacatg	agtcacctgt	agtcgctgcc	720	
actgctgcta	tttcatggct	acattttgac	ccctgtggac	ccactgaaac	ctctcactgt	780	
cctcacaggc	agaacaagga	caggggtcttg	gccaccaagt	ttactcactt	gagctgcatt	840	
tagattatct	ttccagctag	gccatgacag	taggtagtgg	cagctctctg	taaagatgag	900	
gggtccccag	ctcggacccc	tgggtttcctc	cacctgcctg	gaccttacag	tggtagccag	960	
gtgtgtcctg	ctgactggga	agctccttac	ctgggtgctt	gaagtatggc	tccttagcat	1020	
gtgtggagag	aaggctatta	tgatagcaac	ctgcaggggt	gggatgtgta	ccagaccttc	1080	
accctggaac	tcccaggga	gtgcctgcag	attgcctggc	aggtcttatt	cgggtgatgt	1140	
agacgagaac	ctgtggggcca	gggtctgaag	tcagaccctc	ggactcaact	cagcgacaac	1200	
tccttacctc	caactctgtg	ggccttgggtc	aggggaactg	acttctctga	gcttcatttt	1260	
cttcattctta	aaaaaaaaaag	gagaatcaca	ccacctaccc	catggagttg	ttatgaggca	1320	
gagagatgtg	atataaagca	tgtacttggc	caggcacagt	ggctcacgcc	tgtaatccca	1380	
gcactttggg	aggccgaggc	agttggatca	cttgagggtca	agagttcgag	accagcctgg	1440	
ccaacatggt	tgaaaccca	tctctaaaac	actaaaagta	gctgagcatg	gtggcacaca	1500	
cctgtagtcc	cagctacttg	ggaggctgag	gtgagagaat	tgcttgaacc	caggaggcgg	1560	
aggttgatgtg	caccgagatt	gtgccactgc	actccagcct	gggtgacaga	gcgagaccct	1620	
gtctcaataa	aataaataaa	taataaataa	aataatgaa			1659	

```
<400> 9219
ccgcctgggtg gtcctggacc accccaccca ctgcaacgtc acctacaacg tcaataatgg      60
catccagtat  gtggccagcc aggcggagca gaatgcgtcg gaagtaggct ccccacctc      120
ctactccgag  gccttgctgg accagaggtg tgtgctggat g              161
```



<210> 9220  
 <211> 301  
 <212> DNA  
 <213> Homo sapiens

<400> 9220  
 cagctgtgga gctactggca gtcttgatag aacagcagtt tctaggtagt gaccagattg 60  
 cctggaatta gtacagtcga agcggcacgt acaggacaag aattcaagat gcttgacagt 120  
 ggagcacaag ggcattagct tgagggacag ccagaataaa tggaaacttc attatccatg 180  
 gattatgcac ttggaactta ggtcctaggc aactctgata ttagtaattt ggccagcagg 240  
 ctcattaagc tcttaagaaa agtgggccta gttaatgaat taacacaaga tgacatttta 300  
 c 301

<210> 9221  
 <211> 160  
 <212> DNA  
 <213> Homo sapiens

<400> 9221  
 ccgcctggtg gtcctgacca cccccaccac tgcaacgtca cctacaacgt caataatggc 60  
 atccagtatg tggccagcca ggcggagcag aatgcgtcgg aagtaggctc cccaccctcc 120  
 tactccgagg ccttgctgga ccagaggtgt gtgctggatg 160

<210> 9222  
 <211> 301  
 <212> DNA  
 <213> Homo sapiens

<400> 9222  
 cagctgtgga gctactggca gtcttgatag aacagcagtt tctaggtagt gaccagattg 60  
 cctggaatta gtacagtcga agcggcacgt acaggacaag aattcaagat gcttgacagt 120  
 ggagcacaag ggcattagct tgagggacag ccagaataaa tggaaacttc attatccatg 180  
 gattatgcac ttggaactta ggtcctaggc aactctgata ttagtaattt ggccagcagg 240  
 ctcattaagc tcttaagaaa agtgggccta gttaatgaat taacacaaga tgacatttta 300  
 c 301

<210> 9223  
 <211> 2673  
 <212> DNA  
 <213> Homo sapiens

<400> 9223  
 gagccgctgt gaaaaaggcc tccaccagcc tctcaccaga agagattgct cattggaacg 60  
 caatgccacc tgggtgggga cgaggacagt gcgagcaagc agatgttatt tcctactgac 120  
 ctaattttaga gaacattaaa cgtaagagag ggaacatttg gggttggaag cctgtgcca 180  
 aaaccttaaa gagtgcaggc agctggccat aaaagcagct tgagcaaacc cctcattcag 240  
 ccgttgaaat gtgtgtgtga acactttaaa ggtttcctct gtgcttttcc tgcgtgcatt 300  
 tggatcatcac agctgtgaag tggggtggga atgtttcccc tcgttttcta ggagagaaat 360  
 tttgggttca gtgagacgaa gtgctgcaga caggcccatg gtgatgctca ggcctctgct 420  
 tgaagtgggt gctcacttcc tggcaccact tcttgcccc accagtgctt ctggcagagc 480  
 ccagggcagt ggctttatgg aactgtgtaa ggtgatagga acccacaggt ggaatggccg 540  
 tgtggcctct ggactgagga gggctggacc aggttgtggg cacgcctgga acacacgcca 600  
 catcctatcc catagcgagg cctcttcctt gtggctctcg aaggatttga ggacgcggga 660  
 ggggtgaaatg tttccagaga aatatccagg acttttagaa ctaggctttc aaaagcattt 720  
 acctgtcaga taaattcaag tggcatcaat gcagatttta aatgtgtaca gatattcca 780  
 ctgcacgct gagttgtgct tcacacaagt tttgcgcacg gattattcca ttaaattctac 840  
 tgaagcagtg gggcaaggag aaaggagagg tgactgctga tgttttttaa gctctgacag 900

tcacatatag	attgtcccag	gtaccacctgc	tgcccccaag	acactccaaa	ggcaaagatg	960
gatggtgaca	aagtaacctt	catgcagaaa	caagaacagt	cacccccaac	aacaagccct	1020
gctgaagggtg	aagaatgcca	ccaggctgcc	tggcagttac	tgagtgcctta	ttcctgctag	1080
cctattggag	tcacgtcata	tttgttacat	ggtaacttaa	ttgtgccttc	cacgccttca	1140
caaaatcagt	tgtacaagag	aaggcaccca	ccacagtcca	tgtgaccttt	ctcgggtctga	1200
tttacatagt	ggggatgatg	acactcgcgt	tgtagagtag	ttgcacgatt	aaacctggca	1260
cacagacata	aagcactcaa	tgtctgacac	atagtggact	ctcaagaagt	ttgtcatgca	1320
ggggacactt	gaatgcccg	tatgggccag	acagcatcag	ctcatttcag	tcccacagcc	1380
ctgtgagggga	ggaactctgc	cctgttttac	agttagggaa	attgaggcac	aaaggctaag	1440
aagtcgatat	ccaagggcac	agaatgattg	ggtgacgggtg	agcccaggca	gtgtgacaac	1500
aagggttgcgt	ccccacgcca	cctctgtcct	tcgtgggtat	gtcgggtgtga	ggtgtaggca	1560
gcctgcactg	ggcatttcagc	aggcggcagg	cccgggcagg	ctcttctgcg	aacactcatg	1620
ggccaccagc	ccctttttgga	acttgccttt	tttttttttt	tttacctgaa	agctacgtga	1680
atcgttggta	aattggtgta	aaaatggaac	tgagtcatct	caaaagttcc	tttcagttct	1740
aaaattctgt	gaattgaagc	ctactttttc	actttaaatg	atttattggg	tttacagttc	1800
tttacgcttt	ctgattgaac	tgatttgaag	ttcttatttc	gtgtgttggg	gaacacaccc	1860
ccaacccgtc	acagcgtggc	cgtgggtggg	agatggacgt	taggctggcc	agtcactagg	1920
gggcagcatc	agcacgggtc	tggctgtccc	tggccttagg	gagcagtttc	tgccccctct	1980
gccccgtcag	aaagtctcgg	actcctctct	gcttgcattg	gtaaagtttt	catttttcagg	2040
ggccttttag	tcaaaaaaaaa	taaagctgta	tgacttagtg	ctgaaggata	tgaattaggc	2100
gtagctcttg	ggttggcagc	ataaaccaag	gggcatcaac	ccaccaccga	caagctaaga	2160
atggttttta	catcttttaa	tggttgaaaa	aggaaaaaga	atgttttagtg	acacgtgaaa	2220
aatacatgaa	attcaaaactt	cagtgtctac	aaataaagtg	cattagcaca	cggctcgtctt	2280
gcttctctat	gtgttgtctg	tgggtgcttt	gtcttatccc	agcaaagtgg	aataactggg	2340
atggagacgc	tatggccctc	gaagcctaaa	atattttaccg	tctgtccctt	acaggaaaag	2400
cttgccataa	tcagcctcat	ctgaagaaag	atgcacttcg	cattatcttg	aaggtcctga	2460
ttttctggga	ggaggggactc	gtgccctcct	tttcgggctc	tgttttcttg	gcacagtcag	2520
tagtttctgg	cgcttaagaa	ggcacagacg	ctaagtgggt	gcagtgagcc	caggcagtg	2580
gcggcactga	gcgggttagga	agttgtctgt	tcttatgcac	agtcatttcag	caaaccttgg	2640
ctgggagctc	agcctagcga	ggggcatcct	agc			2673

<210> 9224  
 <211> 2673  
 <212> DNA  
 <213> Homo sapiens

<400> 9224						
gagccgctgt	gaaaaaggcc	tccaccagcc	tctcaccaga	agagattgct	cattggaacg	60
caatgccacc	tgggtggggga	cgaggacagt	gcgagcaagc	agatgttatt	tcctactgac	120
ctaattttaga	gaacattaaa	cgtaagagag	ggaacatttg	gggttggaag	cctgtgcca	180
aaaccttaaa	gagtgcaggc	agctggccat	aaaagcagct	tgagcaaacc	cctcattcag	240
ccgttgaaat	gtgtgtgtga	acactttaaa	ggtttcctct	gtgcttttcc	tgcgtgcatt	300
tggtcacac	agctgtgaag	tgggggtggga	atgtttcccc	tcgttttcta	ggagagaaat	360
tttgggttca	gtgagacgaa	gtgctgcaga	caggcccatg	gtgatgctca	ggcctctgct	420
tgaagtgggt	gctcacttcc	tggcaccact	tcctgcccc	accagtgcct	ctggcagagc	480
ccagggcagt	ggctttatgg	aactgtgtaa	ggtgatagga	acccacaggt	ggaatggccg	540
tgtggcctct	ggactgagga	gggctggacc	aggttgtggg	cacgcctgga	acacacgcca	600
catcctatcc	catagcgagg	cctcttccct	gtggctctcg	aaggatttga	ggacgcggga	660
gggtgaaatg	tttccagaga	aatatccagg	acttttagaa	ctaggctttc	aaaagcattt	720
acctgtcaga	taaattcaag	tggcatcaat	gcagatttta	aatgtgtaca	gatattctcca	780
ctcgcacgct	gagtttgtgt	tcacacaagt	tttgcgcacg	gagtattcca	ttaaattctac	840
tgaagcagtg	gggcaaggag	aaaggagagg	tgactgctga	tgtttttaaa	gctctgacag	900
tcacatatag	attgtcccag	gtaccacctgc	tgcccccaag	acactccaaa	ggcaaagatg	960
gatggtgaca	aagtaacctt	catgcagaaa	caagaacagt	cacccccaac	aacaagccct	1020
gctgaagggtg	aagaatgcca	ccaggctgcc	tggcagttac	tgagtgcctta	ttcctgctag	1080
cctattggag	tcacgtcata	tttgttacat	ggtaacttaa	ttgtgccttc	cacgccttca	1140
caaaatcagt	tgtacaagag	aaggcaccca	ccacagtcca	tgtgaccttt	ctcgggtctga	1200
tttacatagt	ggggatgatg	acactcgcgt	tgtagagtag	ttgcacgatt	aaacctggca	1260
cacagacata	aagcactcaa	tgtctgacac	atagtggact	ctcaagaagt	ttgtcatgca	1320
ggggacactt	gaatgcccg	tatgggccag	acagcatcag	ctcatttcag	tcccacagcc	1380

ctgtgagggga	ggaactctgc	cctgtttttac	agttagggaa	attgagggcac	aaaggctaag	1440
aagtcgatat	ccaagggcac	agaatgattg	ggtgacgggtg	agcccaggca	gtgtgacaac	1500
aaggttgctg	ccccacgcca	cctctgtctt	tcgtgggtat	gtcgggtgtga	ggtgtaggca	1560
gccctgcaact	ggcattcagc	aggcgggact	cccgggcagg	ctcttctgcg	aacactcatg	1620
ggccaccagc	cctttctgga	acttgccttt	tttttttttt	tttacctgaa	agctacgtga	1680
atcgttggta	aattggtgta	aaaatggaac	tgagtcactt	caaaagttcc	tttcagttct	1740
aaaattctgt	gaattgaagc	ctactttttc	acttttaaag	atttattggg	tttacagttc	1800
tttacgcttt	ctgattgaac	tgatttgaag	ttcttatttc	gtgtgttggg	gaacacaccc	1860
ccaacccgtc	acagcgtggc	cgtgggtggg	agatggacgt	taggctggcc	agtcactagg	1920
gggcagcatc	agcacgggtc	tggctgtccc	tggccttagg	gagcagtttc	tgccccctct	1980
gccccgctag	aaagtctcgg	actcctctct	gcttgcattg	gtaaagtttt	catttttcagg	2040
ggccttttag	tcaaaaaaaaa	taaagctgta	tgacttagtg	ctgaaggata	tgaattaggc	2100
gtagctcttg	ggttggcagc	ataaaccaag	gggcatcaac	ccaccaccga	caagctaaga	2160
atggttttta	catcttttaa	tgggtgaaaa	aggaaaaaga	atgttttagt	acacgtgaaa	2220
aatacatgaa	attcaaaact	cagtgtctac	aaataaagtg	cattagcaca	cggctcgtct	2280
gcttctctat	gtgttgtctg	tgggtgcttt	gtcttatccc	agcaaagtg	aataactggg	2340
atggagacgc	tatggccctc	gaagcctaaa	atattttacc	tctgtccctt	acaggaaaag	2400
cttgccataa	tcagcctcat	ctgaagaaag	atgcacttcg	cattatcttg	aaggctcctg	2460
ttttctggga	ggaggggact	gtgccctcct	tttcgggctc	tgctttcttg	gcacagtcag	2520
tagtttcttg	cgcttaagaa	ggcacagacg	ctaagtgggt	gcagtgagcc	caggcagtg	2580
gcggcactga	gcgggttagga	agttgctggg	tcttatgcac	agtcattcag	caaaccttgg	2640
ctggggagctc	agcctagcga	ggggcatcct	agc			2673

<210> 9225  
 <211> 353  
 <212> DNA  
 <213> Homo sapiens

<400> 9225						
tccagagaca	ggcaggggca	ggcaggggct	gcaggcacct	gcttcaccgc	gggaggggagc	60
caggagaagt	gggtcccaga	ggaaaatctt	cctgtacacg	ggctgcatta	gtgggtacctg	120
agggcatctg	gaagaccgtg	gttctccttg	caacagtcac	ctaattggcct	tcagtgaataa	180
gacagactcc	ttgactctct	ctttcccca	acacattcct	acagagtggg	agtttccaga	240
gaaaacagcc	atcaaagaag	gttgagagtg	agaattaaga	gacactggag	aagatcaaga	300
gaatgtgccc	tgaagacaac	aacaaaaatc	aataaaagat	ttcaagaatg	aaa	353

<210> 9226  
 <211> 353  
 <212> DNA  
 <213> Homo sapiens

<400> 9226						
tccagagaca	ggcaggggca	ggcaggggct	gcaggcacct	gcttcaccgc	gggaggggagc	60
caggagaagt	gggtcccaga	ggaaaatctt	cctgtacacg	ggctgcatta	gtgggtacctg	120
agggcatctg	gaagaccgtg	gttctccttg	caacagtcac	ctaattggcct	tcagtgaataa	180
gacagactcc	ttgactctct	ctttcccca	acacattcct	acagagtggg	agtttccaga	240
gaaaacagcc	atcaaagaag	gttgagagtg	agaattaaga	gacactggag	aagatcaaga	300
gaatgtgccc	tgaagacaac	aacaaaaatc	aataaaagat	ttcaagaatg	aaa	353

<210> 9227  
 <211> 2236  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (996)  
 <223> n equals a,t,g, or c



09950083 091201  
100150 000560

<220>  
<221> SITE  
<222> (1009)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1010)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1011)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1012)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1013)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1014)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1015)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1016)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1017)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1018)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1019)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1020)  
<223> n equals a,t,g, or c

<220>

<221> SITE  
 <222> (1021)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1022)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1023)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1024)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1025)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1026)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1027)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1028)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1029)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1030)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1031)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1032)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE







09090083 091201  
102750 080000

<220>  
<221> SITE  
<222> (1058)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1059)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1060)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1061)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1062)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1063)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1064)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1065)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1066)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1067)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1068)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1069)  
<223> n equals a,t,g, or c

095005660 092160

<220>  
<221> SITE  
<222> (1070)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1071)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1072)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1073)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1074)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1075)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1076)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1077)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1078)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1079)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1080)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1081)  
<223> n equals a,t,g, or c

<220>

0950083 091201

<221> SITE  
<222> (1082)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1083)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1084)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1085)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1086)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1087)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1088)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1089)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1090)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1091)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1092)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1093)  
<223> n equals a,t,g, or c

<220>  
<221> SITE



<223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1107)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1108)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1109)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1110)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1111)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1112)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1113)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1114)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1115)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1116)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1117)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1118)  
 <223> n equals a,t,g, or c

0905003 091201  
TEL 60 8805660

<220>  
<221> SITE  
<222> (1119)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1120)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1121)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1122)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1123)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1124)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1125)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1126)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1127)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1128)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1129)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1130)  
<223> n equals a,t,g, or c







<222> (1155)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1156)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1157)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1158)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1159)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1160)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1161)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1162)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1163)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1164)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1165)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1166)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1167)



<220>  
<221> SITE  
<222> (1180)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1181)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1182)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1183)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1184)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1185)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1186)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1187)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1188)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1189)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1190)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1191)  
<223> n equals a,t,g, or c



<221> SITE  
<222> (1204)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1205)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1206)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1207)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1208)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1209)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1210)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1211)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1212)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1213)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1214)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1215)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

```

<222> (1216)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1217)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1218)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1219)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1220)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1221)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1222)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1223)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1224)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1225)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1226)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1227)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1228)

```



<220>  
 <221> SITE  
 <222> (1241)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1242)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1243)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1244)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1245)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1246)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1247)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1248)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1249)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1250)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1251)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1252)  
 <223> n equals a,t,g, or c



```

<220>
<221> SITE
<222> (1253)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1254)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1255)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1256)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1257)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1258)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1259)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1260)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1261)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1262)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1263)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1264)
<223> n equals a,t,g, or c

<220>

```

<221> SITE  
<222> (1265)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1266)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1267)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1268)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1269)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1270)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1271)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1272)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1273)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1274)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1275)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1276)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

009950083-091201

<222> (1277)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1278)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1279)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1280)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1281)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1282)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1283)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1284)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1285)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1286)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1287)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1288)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1289)





09450083 091201  
T02150" 03005660

<220>  
<221> SITE  
<222> (1314)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1315)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1316)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1317)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1318)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1319)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1320)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1321)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1322)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1323)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1324)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1325)  
<223> n equals a,t,g, or c

<220>



<222> (1338)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1339)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1340)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1341)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1342)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1343)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1344)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1345)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1346)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1347)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1348)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1349)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1350)





```

<220>
<221> SITE
<222> (1363)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1364)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1365)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1366)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1367)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1368)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1369)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1370)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1371)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1372)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1373)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1374)
<223> n equals a,t,g, or c

```

<220>  
 <221> SITE  
 <222> (1375)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1376)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1377)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1378)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1379)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1380)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1381)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1382)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1383)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1384)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1385)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1386)  
 <223> n equals a,t,g, or c

<220>

<221> SITE  
<222> (1387)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1388)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1389)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1390)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1391)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1392)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1393)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1394)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1395)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1396)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1397)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1398)  
<223> n equals a,t,g, or c

<220>  
<221> SITE





<220>  
<221> SITE  
<222> (1424)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1425)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1426)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1427)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1428)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1429)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1430)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1431)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1432)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1433)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1434)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1435)  
<223> n equals a,t,g, or c

09950083 091201  
T02T60" E9005660

<220>  
<221> SITE  
<222> (1436)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1437)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1438)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1439)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1440)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1441)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1442)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1443)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1444)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1445)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1446)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1447)  
<223> n equals a,t,g, or c

<220>





<222> (1460)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1461)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1462)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1463)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1464)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1465)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1466)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1467)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1468)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1469)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1470)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1471)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1472)



099008 000000

<220>  
<221> SITE  
<222> (1485)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1486)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1487)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1488)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1489)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1490)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1491)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1492)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1493)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1494)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1495)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1496)  
<223> n equals a,t,g, or c











<220>  
 <221> SITE  
 <222> (1546)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1547)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1548)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1549)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1550)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1551)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1552)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1553)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1554)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1555)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1556)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1557)  
 <223> n equals a,t,g, or c

1.02160" E3005660

<220>  
<221> SITE  
<222> (1558)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1559)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1560)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1561)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1562)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1563)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1564)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1565)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1566)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1567)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1568)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1569)  
<223> n equals a,t,g, or c

<220>









<220>  
 <221> SITE  
 <222> (1619)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1620)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1621)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1622)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1623)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1624)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1625)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1626)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1627)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1628)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1629)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1630)  
 <223> n equals a,t,g, or c

<220>

<221> SITE  
 <222> (1631)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1632)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1633)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1634)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1635)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1636)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1637)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1638)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1639)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1640)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1641)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1642)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE



<222> (1643)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1644)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1645)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1646)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1647)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1648)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1649)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1650)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1651)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1652)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1653)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1654)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1655)

<223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1656)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1657)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1658)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1659)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1660)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1661)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1662)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1663)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1664)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1665)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1666)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1667)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1668)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1669)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1670)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1671)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1672)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1673)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1674)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1675)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1676)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1677)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1678)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1679)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1680)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1681)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1682)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1683)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1684)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1685)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1686)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1687)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1688)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1689)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1690)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1691)  
 <223> n equals a,t,g, or c

<220>



<222> (1704)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1705)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1706)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1707)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1708)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1709)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1710)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1711)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1712)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1713)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1714)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1715)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1716)

```

<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1717)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1718)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1719)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1720)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1721)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1722)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1723)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1724)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1725)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1726)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1727)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1728)
<223> n equals a,t,g, or c

```

<220>  
 <221> SITE  
 <222> (1729)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1730)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1731)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1732)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1733)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1734)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1735)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1736)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1737)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1738)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1739)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1740)  
 <223> n equals a,t,g, or c



```

<220>
<221> SITE
<222> (1741)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1742)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1743)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1744)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1745)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1746)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1747)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1748)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1749)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1750)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1751)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1752)
<223> n equals a,t,g, or c

<220>

```

005003 "E305660"

<221> SITE  
<222> (1753)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1754)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1755)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1756)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1757)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1758)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1759)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1760)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1761)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1762)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1763)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1764)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

09950033 "051201  
T03T60" E80560

<222> (1765)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1766)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1767)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1768)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1769)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1770)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1771)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1772)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1773)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1774)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1775)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1776)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1777)



```

<220>
<221> SITE
<222> (1790)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1791)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1792)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1793)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1794)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1795)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1796)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1797)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1798)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1799)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1800)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1801)
<223> n equals a,t,g, or c

```

```
<220>
<221> SITE
<222> (1802)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1803)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1804)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1805)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1806)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1807)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1808)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1809)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1810)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1811)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1812)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1813)
<223> n equals a,t,g, or c

<220>
```

<221> SITE  
 <222> (1814)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1815)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1816)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1817)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1818)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1819)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1820)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1821)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1822)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1823)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1824)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1825)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE

<222> (1826)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1827)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1828)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1829)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1830)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1831)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1832)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1833)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1834)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1835)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1836)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1837)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1838)





095003 09101

<220>  
<221> SITE  
<222> (1851)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1852)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1853)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1854)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1855)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1856)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1857)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1858)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1859)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1860)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1861)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1862)  
<223> n equals a,t,g, or c

```
<220>
<221> SITE
<222> (1863)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (1864)
<223> n equals a,t,g, or c
```

```
<220>  
<221> SITE  
<222> (1865)  
<223> n equals a,t,g, or c
```

```
<220>  
<221> SITE  
<222> (1866)  
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (1867)
<223> n equals a,t,g, or c
```

```
<220>  
<221> SITE  
<222> (1868)  
<223> n equals a,t,g, or c
```

```
<220>  
<221> SITE  
<222> (1869)  
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (1870)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (1871)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (1872)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (1873)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (1874)
<223> n equals a,t,g, or c
```

<220>

```

<221> SITE
<222> (1875)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1876)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1877)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1878)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1879)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1880)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1881)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1882)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1883)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1884)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1885)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1886)
<223> n equals a,t,g, or c

<220>
<221> SITE

```

<222> (1887)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1888)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1889)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1890)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1891)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1892)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1893)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1894)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1895)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1896)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1897)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1898)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1899)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1900)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1901)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1902)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1903)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1904)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1905)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1906)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1907)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1908)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1909)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1910)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1911)

<223> n equals a,t,g, or c



<220>  
 <221> SITE  
 <222> (1924)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1925)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1926)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1927)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1928)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1929)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1930)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1931)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1932)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1933)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1934)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1935)  
 <223> n equals a,t,g, or c

<220>



<221> SITE  
<222> (1936)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1937)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1938)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1939)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1940)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1941)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1942)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1943)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1944)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1945)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1946)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1947)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

```
<222> (1948)
<223> n equals a,t,g, or c
```

```
<220>  
<221> SITE  
<222> (1949)  
<223> n equals a,t,g, or c
```

```
<220>  
<221> SITE  
<222> (1950)  
<223> n equals a,t,g, or c
```

```
<220>  
<221> SITE  
<222> (1951)  
<223> n equals a,t,g, or c
```

```
<220>  
<221> SITE  
<222> (1952)  
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (1953)
<223> n equals a,t,g, or c
```

```
<220>  
<221> SITE  
<222> (1954)  
<223> n equals a,t,g, or c
```

```
<220>  
<221> SITE  
<222> (1955)  
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (1956)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (1957)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (1958)
<223> n equals a,t,g, or c
```

```

<220>      .
<221> SITE
<222> (1959)
<223> n equals a,t,g, or c

```

<220>  
<221> SITE  
<222> (1960)

0950083-091204

<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1961)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1962)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1963)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1964)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1965)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1966)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1967)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1968)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1969)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1970)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1971)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1972)  
<223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1973)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1974)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1975)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1976)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1977)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1978)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1979)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1980)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1981)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1982)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1983)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1984)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1985)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1986)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1987)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1988)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1989)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1990)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1991)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1992)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1993)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1994)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1995)  
 <223> n equals a,t,g, or c

<400> 9227  
 tgcagggagc tgagatcgcg cactgcatt ccagcctggg tgacagagtg agactccatc 60  
 tcgaaaaaaaa aaaaaaaaaag aatctgaggt ttaattcaag gagcagtggg agccattcat 120  
 tccaaattgt caggatctat gcaggatgac ccctccctgt cctctctgag cttaggggtca 180  
 atgcctagaa atgtatgtga ttgctaatag atttgctaca tgccaggcac tactctgagc 240  
 actttattcc ttcctttcta atttggtgtgc cttttatttc ttttccgtgc tttattgcat 300

tggctagggc	ctccagtaga	gcactgaata	ggcatggtga	cagcacgcag	acatcccttc	360
ctgtttcctg	atcttaggag	aaaaacattc	cacttcccac	tcccaccagg	aaggataaga	420
ttcgctgtag	ttttgggtgt	tattattatt	atTTTTTTTg	tttgcttgag	acagagtctt	480
gctctgttac	ccaggctgga	gtgcagtggc	acaattttga	ctgactacaa	cctccacttc	540
tcagggttcaa	gcaatcctcc	tgccctcagcc	tcccgagtat	ctgggactac	agtgtacacc	600
accacacca	gctaattttt	gtatttttag	tagagacagg	gtttcaccat	gtttgccagt	660
ctggctcttga	actcctgacc	tcaagtgate	tgcccgccctc	ggcctcccaa	agtgctggaa	720
ttacagggtgt	gagccactgt	gcctggccta	gtttttgggtg	gtttttttgta	gatgtctttt	780
atcaagttaa	gaaagtttcc	ttctagttct	agttttgccga	gagttttctt	ttttaaaatc	840
atgaatggat	gttgaatttt	atcaaatgct	tctacattta	ttgatatgat	aatatcattt	900
ttctctaata	actatacttt	tatttaaagcc	tcccaacagt	cttatgaggt	agatactggg	960
ttcacaccaa	tttaaaaaaa	aaaaaaa	aggggnnnnn	nnnnnnnnnn	nnnnnnnnnn	1020
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	1080
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	1140
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	1200
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	1260
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	1320
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	1380
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	1440
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	1500
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	1560
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	1620
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	1680
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	1740
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	1800
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	1860
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	1920
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	1980
nnnnnnnnnn	nnnnnacctg	agtacagaag	ttcaacacca	tcttggccaa	catggtgaaa	2040
cctgtctcta	ctaaaaatac	aaaaattagt	tgggcatggt	ggcatgtgcc	tgtaattcca	2100
gctactgggg	aagaggcagg	agaattgctt	gaatccagga	gacggaaatt	gcagtgagcc	2160
cgagatcatg	ccactagcac	tccagcctgg	gtgacagagc	gagactctat	ctcaaaaaaa	2220
aaaaaaaaaa	acaagg					2236

<400>	9228						
tttattttctg	ttgttggttct	actttctggga	gactttcttca	acttttgatt	ctaataatttc		60
tctgaatgga	aaacaacttc	atatattatt	cacacaccac	ataattcacc	tatttaaagt		120
tcaatgggtt	ttggtatatt	acattattag	ttttttaata	attgtagtaa	aacatataat		180
acaaaacagt	tatcattctg	accactttta	agtgtaccat	tcagtggcaa	taacttagtg		240
ttgtgcaacc	ataaccacaa	actattttcca	aaactttttc	attatcccaa	acagaaactt		300
taatcattaa	acaataatta	tccattttctc	cactcttgcaa	cctggccctt	agcaaacctt		360
attccacttt	ctgtccctat	gaatttgcca	attctatata	cttcaaaaaa	gtataatcat		420
acaatatctg	tcctttttcag	tttggtttac	ttcactttat	ataagggttt	caatgttcac		480
ttacatagca	tgaataagga	tgtcattcct	ttttatggtg	gaataatatc	ccattggatg		540
aatataccac	tttttgggct	tttgttattt	ttcattgaca	tatgataatc	atgtggctgg		600
tgtctgcaat	cccagcactt	tgggaatctc	aggagggggg	atcccttgag	cccaggagtt		660
tgaaccagc	ctgggcaaca	cagcaagatc	tcatctctac	aagtaattta	aaaaattagg		720
ccagggtgcg	tggtcacgc	ctgtaatcct	agcactttgg	gaggcggaag	caggcagatg		780
acctgatgtc	aggaggttaa	agaccagcct	ggccaacatg	gtgaagcccc	gtctctacta		840
aaaatacaaa	aatcagctgg	gtgtgggtgc	gcacgcctgt	aatccagct	actcaggagg		900
ctgaggcagg	agaatcctc	gaacctggga	qccagagcct	qcagtgcgct	gagatca		957

6828

<212> DNA  
<213> Homo sapiens

<400> 9229  
gggcgcagtg gctcagcct gtaatcccag cacttttagga ggccaagggtg ggtggatcac 60  
gaggtcagga gatcgagacc atcctggcca acatggtgaa accccatctc tacta 115

<210> 9230  
<211> 89  
<212> DNA  
<213> Homo sapiens

<400> 9230  
tgagacagag tctcgtctctt tcgcccaggc tggagtgcag tggcgcaatc tcgggtcact 60  
gcaagctccg cctcctgggt tcaggccat 89

<210> 9231  
<211> 2907  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (27)  
<223> n equals a,t,g, or c

<400> 9231  
gatccagcgc actggggccct gaccctnnga cctgggtcatc tttgcgtgtg gaaaagatgg 60  
catttccagt tattgacagg tggatgctgg ccttttaggga aaaaaaata ttagaattcc 120  
ctacagaata aaggatgaag atgagaggtt aagggtttttc taaggcatga agagctgtgg 180  
gggcagctgc ccttgttctt tttgtcgtgt gtccttcaca tgcagtaact ctgttcacgc 240  
ctcacaataa ccctatgagg tggagacctg ccatcaaccc ttcctgcccg ggtgccactg 300  
aggccccaag gttaaatacat ttcccagagt gtatcagcag aggcacagcc acagagacac 360  
gtccgcacag agagctttcc agatcaccag taacagcgtg agatcatggt gcagaagggtc 420  
atgaggagga tggcaacgag cgagacacag ccggttgggt ctcacaagga cattggtaga 480  
tctgactgag ggccagggtcg gctaggcctt ccagggtgac aggagcccag tgccggcctt 540  
ggtgcacaca gcgcgtcctt gtgctttctc aggagagctt cactggggac actctgtgat 600  
gtttttggag gggtcatttgg taatgtgttc aggagccaaa aaatatgcat aatattcagt 660  
cttacaatta catttttttga atttatctca aggaaatccc agggatctgt gtgaagctgc 720  
acatgctgct gctgctcagt gcgggactgt ttataatatt tgtaactcaa atgtccagaa 780  
gaactgtaca ctctgtgcat gttttcagta agttcatatt tgtaagaaaa agtgggtgtg 840  
ttgagagaca aatttttgtg tacatttacc tggaaacaag cagtagtaca catatgcatg 900  
catgaagtgg tgttttcctg agtgtaaga ttgtgaatgt tttattatga tcatttctac 960  
tttttctatt ggaaaatact ttgtgtaatt aaaacatgaa gatggagcta ccatcaaat 1020  
gggtgagcaat agagcactgt tcctcctggg gtggcctggg gggcctgagg gactcagggtg 1080  
gtgatgagga gtggccttga gtccctttcc tttccatggg acagtgggga cgagagctag 1140  
agtgatgagg cagggttaagt gtgtgcctac ctccctgtgg ctggagcact gttgtggcca 1200  
ccccgggacc ccctgagcct ggtgtcgcct tggcttgcct gtcccagcct agggagtggg 1260  
cccctatggg cagaggggtga ggtggctgtg ctggcactgc agctcaggca cacacacact 1320  
ggagtgttcc aatgggtgat cagggttggat ggagccttga aattaagtca gtgatgtaat 1380  
ttttataatc tgtttcactt taaaacaaaa atctttgcac acctggtcca agttttctcc 1440  
cctttcttcc tgttgctgcc atgatgaaag cagaagggac caccctccag ggagagcagc 1500  
aggaagggag gtgcgggtag gggccctggg tcagcagggg cggtcagtcg ggaggtgcac 1560  
ccccatttat tctcgttctt ggaagagatt tctagtca tgcatgtggc tctgtgcca 1620  
catgtgtcat gaggtgccc ggtgggtttg gatattgcat agggcatctt tgaggatgca 1680  
ggggctttgt cataccctgt gggcccgctg tacaccctg gggcagatgt ggcctctaac 1740  
aggggagggg gcatggatct ctaagccggg gaggaagca gattgcagac ttgccgaagt 1800  
gggagctgtc tgctcttgtg ttttctttag gggcaggaga attttgcca gcagtcctc 1860  
gtggctccct ccacaccact gacccttacg cgtccaaggt tggagccctg gcaggtaaag 1920

ggtgagcaag	gtgcagttgc	ctgtgagcag	ctgtggaggg	gcctttcctg	ttgtacactt	1980
cctgtgaggg	tctcagaccc	cttgcagact	ctggacatca	cttcctagag	gggcctgggc	2040
tccttttagtc	ctgtgagtaa	agcttttggtt	ttgatgactg	tctcagggaa	aggtagaaaag	2100
gtgcttggtg	gcagtgaact	tcctgctgca	gaagtgggtg	tgaccccagt	gctggagaat	2160
gggctgtgag	ccgagtttcc	cgcacctgca	tgagtgagcg	ccatggtcct	tctccacaga	2220
gcgtcctgct	gtcacttttg	tttgtgttaa	ctttgacgcc	tttcttgttt	cttactctgc	2280
tttcctgcat	ggagcacaca	gccccggctc	cctttcagtc	tgcatggcag	acacctggcc	2340
tctgcaggtc	cagttcattc	tgtgtccctt	ttcggtcgtc	cctatgttgc	cgtcagggtga	2400
ttgaggggtga	aggctggcct	tggcagccca	gtggaaaagtc	ccttgactcc	tggccgtcag	2460
tggcaggctct	ccagcctttg	ggaggaggaa	acttctattt	aacaaagaaa	tggaattgac	2520
tttgccacac	acagccagag	cgatgatattg	tagagccaac	ctgctgagac	attcaaagca	2580
tcagtcgtag	ggtcaggacc	gccagggtgac	gtgtggctcc	acctgcagca	gcctggggca	2640
ggttgcctag	cctctggctt	tagcatcccc	ttctgtgaaa	tggggaaaagt	gatgggacct	2700
ggctttgtag	ggtaggttgc	aggacctaca	ggggtttttg	caaaataactt	agcccagggc	2760
tgactaaaag	attcagagac	gctgggcatg	gtggcacaca	cctgtagttc	caggtactcg	2820
agaggccgag	gcgggaggat	cacttgagcc	caggaattaa	agtccagcct	gggcaacata	2880
gtgagacctt	atttcttaat	aaaaaaa				2907

<210> 9232  
 <211> 4602  
 <212> DNA  
 <213> Homo sapiens

<400> 9232						
cccagctcag	ctactcagga	ggctgaggca	ggagaatcgc	ttgaacccgg	gaggcagagg	60
ttgcagtgag	ccaagatcgc	accattgcac	tgcagcctgg	gcaacaagag	cgaaactcct	120
tgcgcaaaaa	aaaagaaaaa	aaataaaaagc	taattacaaa	tacaggaaaa	tggataggcc	180
atgtgtttat	aagtttgagc	tcttgagcca	gtgacttccc	tgacggttca	gctttctcct	240
ttgtgaaatg	gtaatagaag	cacgctgcac	aaaaaattct	tgtggattac	atgtgagggt	300
cttagaaaac	cttgatgtgt	aagccaacta	ttatgtatta	ctgtatatgg	aacacaaggg	360
atgtagccaa	aactaaatgc	aagtttgatg	ctcagatgtc	ttcctatcag	aacagagtca	420
aatccagatt	ttgatgctta	aatgtgacag	cttattcaga	tttagaaaaa	cttttggtat	480
gggccaaga	aaacatatcc	ttaaggggat	atggccccta	ggccctcatt	ttccttttct	540
gtctgagcaa	ttaaaaaaag	cattaagtaa	attccacaaa	ttctttggaa	tacctagaga	600
taaacagata	tcattgttaac	tgtatgataa	taagttagaa	tacttgcaac	aaaatgcaga	660
gttttctagg	aaaacaagta	atcattcaga	aataagaata	tgaatagtcc	ctcagttctc	720
cccctttgtg	gaatttgatg	agtaaatgct	gctccaaagc	tctgtggaaa	acagaagcct	780
cccatgaaaa	atctgacaag	ggatctcttc	agaaagagag	ctgtaatccc	agcactgtgg	840
gaggctgagg	tgggagtatt	gcttgaggcc	aggagttcaa	gaccagcctg	ggcaacgtgg	900
taagaccccc	atctgtaaaa	aaaataataa	ttagccacgc	gtgggtgggtg	acacctgtgg	960
tccaattac	tggggagact	gaggcggaag	aatcgcttga	gcccaggaga	tggagggtgt	1020
cgtgagctag	gatctgccac	tgcactctag	cctgggtgac	agtaagacct	ttgtctcaaa	1080
aaaaaaaaaa	agaaaaactg	cagatttggtg	actcttacga	agatagatgg	aatgtttcta	1140
aataaaacac	acttaggatc	tggcaatata	tatatattaat	gtactattct	gaccaaattg	1200
agcttaatca	gatagcttga	gaatgattta	atgtttacga	atctgttaat	tgcattatct	1260
caataataga	tcgggtgaata	actttattat	tctctcaaca	aatcctgtat	ttgattttaca	1320
aaatggatgg	gaggtttccag	ggagagcagt	tggaaagcctg	tgtgctcacc	tgttaggaac	1380
gagagtggca	acagcagtg	ggaggagtgc	tgggtcctctg	cacctgtctc	gatggcagag	1440
cccacaggct	tggctgacag	acgtgggatg	aaggaaagag	aagcctctca	ctcttcccac	1500
agcattgtag	tgcgatttca	tgcagaagtc	caagcaggtt	ccaggacaat	tgtgtaagaa	1560
gctatggaca	agaacgtcta	agaaacggaa	atgacataga	ggatttgcac	tgtagctaag	1620
acttcacgca	aggctgtggc	cagctgaaag	catgttcttg	tgtgtggggt	gcgtggcaga	1680
gccaggagcc	caggatccag	cgcactgggc	accgacctgg	gacctgggtc	tctttgcgtg	1740
tggaaaagat	ggcattttcca	gttatttgaca	ggtgaatgct	ggccttttag	ggaaaaaaa	1800
atattagaat	tccatacaga	ataaagaatg	aagatgagag	gttaaagggtt	tttctaaggc	1860
atgaagagct	gtggggggcag	cctgcccttg	ttctttttgt	cgtgtgtcct	tcacatgcag	1920
taactctgtt	cacgcctcac	aaaaacccta	tgagggtggag	acctgccatc	aacccttctt	1980
gcacgggtgc	cactgaggcc	ccaagggttaa	atcatttccc	agagtgtatc	agcagaggca	2040
cagccacaga	gacacgtccg	cacagagagc	ttccagatc	accagtaaca	gcgtgagatc	2100
atgggtgcaga	aggctcatgag	gaggatggca	acgagcgaga	cacagccggt	tgggtgctcac	2160



aaggacattg	gtagatctga	ctgagggcca	ggctcggtag	gccttcccag	gtgacaggag	2220
cccagtgccg	gccttggtgc	acacagcgcg	tccttgtgct	ttctcaggag	agcttcaactg	2280
gggacactct	gtgatgtttt	tggaggggtca	tttggtaatg	tgttcaggag	ccaaaaaata	2340
tgcataatat	tcagtctttac	aattacattt	tttgaattta	tctcaaggaa	atcccaggga	2400
tctgtgtgaa	gctgcacatg	ctgctgctgc	tcagtgcggg	actgtttata	atatttgtaa	2460
ctcaaatgtc	cagaagaact	gtacactctg	tgcattgttt	cagtaagttc	atatttgtaa	2520
gaaaaagtgg	gtgtgttgag	agacaaattt	ttgtgtacat	ttacctggaa	acaagcagta	2580
gtacacatat	gcatgcatga	agtgggtgtt	tcctgagtgt	taagattgtg	aatgttttat	2640
tatgatcatt	tctacttttt	ctattggaaa	atactttgtg	taattaaaac	atgaagatgg	2700
agctaccatc	aaaatgggtga	gcaatagagc	actgttcctc	ctgggggtggc	ctgggtgggcc	2760
tgagggactc	aggtgggtgat	gaggagtggc	cttgagtccc	tttcctttcc	atgggacagt	2820
ggggacgaga	gctagagtga	tgaggcaggt	taagtgtgtg	cctacctccc	tgtggctgga	2880
gcactgttgt	ggccaccccg	ggaccccctg	agcctgggtg	cgccctggct	tgtgtgtccc	2940
agcctaggga	gtgggcccct	atgggcagag	ggtagaggtg	ctgtgctggc	actgcagctc	3000
aggcacacac	acactggagt	gttccaatgg	gtgatcaggt	tggatggagc	cttgaataa	3060
agtcagtgat	gtaattttta	taatctgttt	cactttaaaa	caaaaatctt	tgcacacctg	3120
gtccaagtgt	tctccccctt	cttctgtgtg	ctgccatgat	gaaagcagaa	gggaccacct	3180
tccagggaga	gcagcaggaa	gggagatgcg	ggtaggggcc	ctgggtcagc	agggggcggtc	3240
agtccggagg	tgcacccccca	tttattcctc	gttctggaag	agatttctag	tcacatgcat	3300
gtggctcctg	tgccacatgt	gtcatgaggt	gcccaggtgg	gtttggattt	ggatgagggc	3360
atctttgagg	atgcaggggc	tttgtcatac	cctgtgggcc	ccgtgtacac	ccctggggca	3420
gatgtggcct	ctaacagggg	aggggtgcgtg	gatctctaag	ccggggagga	aagcagattg	3480
cagacttgcc	gaagtgggag	ctgtctgctc	ttgtgttttc	tttaggggca	ggagaatttt	3540
gcccagcagt	ccctcgtggc	tccctccaca	ccactgacct	ttacgcatcc	aaggttggag	3600
ccctggcagg	taaaggggtga	gcaaggtgca	gttgccctgt	agcagctgtg	gaggggcctt	3660
tctgtttgta	cacttctctg	gagggctctca	gaccccttgc	agactctgga	catcacttec	3720
tagagggggc	tgggctcctt	tagtccctgt	agtaaagctt	tggttttgat	gactgtctca	3780
gggaaaggta	gaaaggtgct	tgggtggcagt	gaacttctct	ctgcagaagt	gggtgtgacc	3840
ccagtgtctg	agaatgggct	gtgagccgag	tttcccgcac	ctgcatgagt	gagcgccatg	3900
gtcctttctc	acagagcgct	ctgctgtcac	tttggtttgt	gttaactttg	acgcctttct	3960
tgtttctttc	tctgctttcc	tgcattggagc	acacagcccc	ggctcccttt	cagtctgcat	4020
ggcagacacc	tggcctctgc	aggtccagtt	cattctgtgt	cccccttcgg	tcgtccctat	4080
gttgccgtca	ggtgattgag	ggtgaaggtc	ggccttggca	gcccagtgga	aagtcctttg	4140
actcctggcc	gtcagtgcca	ggtctccagc	ctttgggagg	aggaaacttc	tatttaacaa	4200
agaaatggaa	ttgactttgc	cacacacagc	cagagcgatg	attttagtag	ccaacctgct	4260
gagacattca	aagcatcagt	cgtaggggtca	ggaccgccag	gtgaggtgtg	gctccacctg	4320
cagcagcctg	gggcagggtt	cctagcctct	ggcttttagca	tccccttctg	tgaagtgggg	4380
aaagtgatgg	gacctggctt	tgtaggggtg	ttgtgaggac	ctacaggggt	ttttgcaaaa	4440
tacttagccc	agggctgact	aaaagattca	gagacgctgg	gcatgggtgg	acacacctgt	4500
agttccaggt	actcgagagg	ccgaggcggg	aggatcactt	gagcccagga	attaaagtcc	4560
agcctgggca	acatagttag	accttatttc	ttaataaaaa	aa		4602

<210> 9233  
 <211> 443  
 <212> DNA  
 <213> Homo sapiens

<400> 9233						
gggagtttca	tggcgtatggc	cgtctaccct	catggctgtg	gccccagttc	ttcctgggtg	60
ggccctgctg	tagttctgct	atacgtgtgc	cctgttctgg	actctggtga	cgccacacct	120
tccctagtcc	ctccagccct	aggggtggca	gccccacgac	gtgctggtct	ctggtgcttg	180
cttcttagtg	catggccgtg	ccatgccctg	gtgacctgcc	gggatgcctg	tgtggaatgc	240
ccagagtgtt	ctaggcaggg	tcccctctgt	gattagctcc	tcaaggggtg	tgtctgtgtc	300
acagacactt	tggggctcctg	tcagtggcct	ctcgaggctc	ccagggtagc	ctgtactttc	360
tcaccccttg	ttgctcatct	attgtgggtt	tgtctgtgtg	ctgcaaaatg	cacggctgta	420
ctgagcgcac	cagccagcag	ctg				443

<210> 9234  
 <211> 443

<212> DNA  
<213> Homo sapiens

<400> 9234  
gggagttttca tggcgatggc cgtctaccct catggctgtg gccccagttc ttcctgggtg 60  
gcccctgctg tagttctgct atacgctgtc cctgttctgg actctggtga cgccacacct 120  
tccctagtcc ctccagccct aggggtggca gcccacgac gtgctggtct ctggtgcttg 180  
cttcttagtg catggccgtg ccatgccctg gtgcctgccc gggatgcctg tgtggaatgc 240  
ccagagtgtt ctaggcaggg tccccctctgt gattagctcc tcaagggtgg tgtctgtgtc 300  
acagacactt tggggtcctg tcagtggcct ctcgaggctc ccagggtacc ctgtactttc 360  
tcaccccttg ttgtcatct attgtgggtt tgtctgtgtg ctgcaaatg cacggctgta 420  
ctgagcgcac cagccagcag ctg 443

<210> 9235  
<211> 1936  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (1768)  
<223> n equals a,t,g, or c

<400> 9235  
tttttttttt ttgtatTTTT agtagagacg ggggtttcac cgtattagcc aggatgggtct 60  
ccatctcctg accttgtgat ccgcccgcct cggcctccca aagtgtctggg attacaggcg 120  
tgagccacca tgccccgcct caacgatatt gattcttttg gctgtagtca gtattggatt 180  
atgatcaata ttatcaccat ttatttttgt gctacagttc ttccagctgt ggccaatcct 240  
tcagttggat tcttgttttc catcaacatt ctccatcctg gcttttttgt ttgagcactt 300  
ccttccttcc tagcaccacc aggcctcctgt attatccctg tccctgccct ggaatcgact 360  
cctcctccag agagccctgg tttcttttgt tagaggatgg tatatagaat ccaacatgca 420  
gacactcggg ggacttattg ttactgggggt tttgttatac taggggtttca gtggtcagtg 480  
ctagtattta tgtatgttaa cccacgctgt gctttggatt caggctattt caaatttttag 540  
ataatatggg acatatatta ttaataccac tagttactac attggtactt ttcagcaaaa 600  
tatatctaag tgggatcaaa tgagactgta aatagcttta catcagttca ggtcagttat 660  
gttgctaaat tactttttggc attaagttta gggaaaaaaa attgggtttg ggattttttg 720  
gtttcaacat ttgtgattga gagactatgg acctgtaata agtccaagaa cagcagttgc 780  
agtgtaacag gactgttaat ggaatcgggt catttagaaa cagtcaagac ttcgctgttg 840  
tgcatgtggg taggagccag tgcacacgtc agttcttagg aaatgtacag tctgagcaat 900  
agcattttgaa atccaagact cttcccatgt tgttgcgtgt gagtgtagaa aataaaatgt 960  
gtgaattttct ttatcttgag tattgagatt ctcccttag aataaaacaa gaatttttct 1020  
ctcagtgtaa aaatgtcaag ttttattcct gaaatgaata gcaaagttaa gcttaaaaac 1080  
gtgaacagct tcagaactat aaatgggtat gtataccttt ctgctgtcta agggcagaga 1140  
agggaaagaa agtgtgtgtc ttatcagagg agacagcagc aagacacatt gtgacagaaa 1200  
accaagggtg tcctgtgtca cagtgaagtg taatgagggc acctctcctt tcaagagacg 1260  
aagattgaat acatgggaag cacactctcc gctgtgtgtt gtctaggaga ggtgcaccct 1320  
gtatggaaat atttgggaag gttaagatta agacagggtg aaataaagca aaggcaaatc 1380  
acaaagcaag ggctaattgtt aatatgaaaa gtgcagaatt caaggaaaaa gcatgggggac 1440  
aaagaagatt tttcctcttt ttgggtgtctg ttcagtgtga gctacaaca gaactataag 1500  
acctatagac atttatatga atattttatt gaaaacgtat aatatcaaac aatgtaaaag 1560  
ccaatagaaa tctcagataa ttgaatgtat agaaactagc agtttgaaag tgattagtct 1620  
attatttgct gatcaagcag aaaaataagc atatgaaaga tatttaaaat gggattaata 1680  
aagttgattt aacagatcct attccatgtc ctttgaatat ttatagaaat taaatggaac 1740  
aaattagggc atcaggaaaa ctatacanaa gtctttacca aaaaaaaaaa tatatatata 1800  
tatgtgtagt actacctata tatatacata atatatagta ctgcttatat atatatatgc 1860  
ctatatgtac acatatatat atacatgtat aggcagtact atgttttctg atcataatat 1920  
gttaaattag taaaaa 1936

<210> 9236

<211> 22689  
 <212> DNA  
 <213> Homo sapiens

<400> 9236  
 agagaaagga aaaaattctt agcacagtac ttattacaat ctgatttctt ttctttgttt 60  
 ttctgtcacc ttttactagg atgtatgctc catgagagca gagcttcatt gtcttggttg 120  
 cctctctgct gtctccacaa tgactgcagc agtgtctggc acagagatgc caaacatttg 180  
 ctaaaggaat gagtagggaa tcaggttctg ttttgtctta cccccccag tgcctaccac 240  
 tgtgcttggc ccataacaag tgcccagaaa ctggtgggta ctctgaggcc actctgaata 300  
 taattgctat tggtagatct gtgttctcat cctagaattt agaatgggaa agcgggttag 360  
 aactaagagt ctttcaagtg tttcgaagca aactgcaaag cttttagaat attgtctctg 420  
 cagcctgaaa ctgactatta cacaggttcc cccagttccc attcaagagc gaagtctaga 480  
 tgtttagaat tctatgccta aatagcagaa cggaagcctc attttatttt gattaaattc 540  
 ctattttaat acatacattg catcagtcag tgagtcagtg agtattttatt gagccccctc 600  
 aggatacaaa gtagtgctct ggtagagcta ttgagtttga aatatttagtc acatttttaa 660  
 accaaaacca aatccccaaag tagttgaaag tgctgttcaa attgtcagag tgcagttcct 720  
 gtagactgta ttttgtgaga tgggctttta ctttatatgt tcccacttgg gcaggaacaa 780  
 aagtttggtg aattactgag gtattacatt ttaccaaatt gaaattttga agtgatcctt 840  
 catcattagg tttcttcctg tccaattggt gagggagtgt gtgataatta cagcatcctt 900  
 ttgagtaatt aagatttttg gatccttgtc tgccaggaca gggtaaagaa taacacttgc 960  
 cttcactctt tgacactagt gttcaaattg ggcagggaaa gaaggggtat tattgttgcc 1020  
 tcccagatcc caactctatc caaagtactg tctcctttac ttctgtgagc tgacagggtt 1080  
 gcagaaacac ataaaaatcct agactatcct gacatcacca accgtagagt ttgtgaagggt 1140  
 aacgtgtcct ctacaaattc tcatttggtt tcattgtttg ttactctttt ttgttcagat 1200  
 ttctctgttg acttctgcag tgaaccacct caaagccaat gttaagtcag ctgcagactt 1260  
 gattagcctg cctaccactg tagagggact tcagaaggta ggtgccatgt gtgggtacag 1320  
 agacttcaga aggtaggtgc catgtgtggg tactatttgc cataattcta gcttcttata 1380  
 agttttcatt gaaagcctag catttgaaat cagctgctcc aagagggcag taatggagtgt 1440  
 tatcactgtg tcctaaagaa ttcagaacaa ttttgttttg gtctggttag ttaggccttt 1500  
 aatttgcaac aggttacctc agctgtgatt tatatgggtt catacctttt tatttggtctc 1560  
 tctgagtcct agaattgctc tgctggcact cttgtgttag catatatggg ttctgctttc 1620  
 agcttgcttt ttcagttcac cactcacaat atcttcatca aagcagacca attgtacatg 1680  
 atagttaccc taaatctctg ttactttcca taattaagaa agttaaaaaa aaaaaaaaaa 1740  
 gatgacctgg ggaaatgcaa aaattaaaaa ttcaggaaac aagtgttggc aaggatatgt 1800  
 ggaacgaagg aaattttcaa acactcctgc tcctgctagg agtattaatt ggtaaaaatc 1860  
 actttggagg ctgggcatgg tagtcatga ctgtaatccc aacgttttgg gaggctgagc 1920  
 caggaggatc acttgaaccc aggaattaca gaccagcctg ggcaacatag ggagacctcg 1980  
 tctttacaaa aaatttttaa gttagctggg catggtggca cacaactgta gtcccagcta 2040  
 catgggaggc tgaagtagga agatcacttg agcctgggag gttgaggcta cagtgagctg 2100  
 tgaccaacca gatgaatagt actcagggat ccttagagat ggacgggaag agtggatagg 2160  
 ggtaggaagg cagaagaggt gcctaattcg aacataaaga acatcatccc ctgacacagg 2220  
 aaatggaaga agggattccc caaacgggtg atatcaaate taggatcttt gaattataaa 2280  
 aatatgtgct aagtttggtc agattatgtg ccagggtcta tgagcatatg aattctttcc 2340  
 acaaaggagc aagaaatttc taagccataa gcgaagacaa aatttgctat tttatagcca 2400  
 caccatctgt gtgtgctcag tctccataat ttgctacttg tccaatgtgg ccatctactt 2460  
 acaaattcgg ggggaaaaaa aaggggtagg gacaactctg atgaggccag attcttgccg 2520  
 ttgttcctag ggccaattca ggaaatgata ggcttctgta gccattagta cagaagcagc 2580  
 tctcacagtc ttgcattaga aaaggaaact ggtttattct tttttttatt acacttttaag 2640  
 ttctagggta catgtgcaca acgtgcaggt ttgttacgta tgtatatatg tgccatgttg 2700  
 gtgtgctgca cccattaact catcatttac attaggtata tctcctaatt ctatccctcc 2760  
 cccaccccca aaacaggccc cgggtgtgtg tggtccctct cctgtgtcca agtgttctca 2820  
 ttgttcaatt cccacctatg agtgagaaca tgcagtgttt ggttttttgt ccttgcaata 2880  
 gtttgctgag aatgatggtt tccagcttca tccatgtccc tacaaagaac atgaactcat 2940  
 cattttttat ggctgcatag tattccatgg tgtatatctg ccatgttttc ttaatctagt 3000  
 ctatcactga tggacatttg ggttggttcc aagctcttgc tattgtgaat agtgccgcaa 3060  
 taacataaag tgtgcgtgtg tctttatagc aacatgattt ataactcttt gggtatatac 3120  
 ccagtaacgg gatggctggg tcaaattggt tttctagttc tagatccttg aggaatctcc 3180  
 acactgtctt ccacaatggg tgaactagtt tacagtccca ccaacagtgt aaaagtgttc 3240  
 ctattttctc acatcctctc cagcacctgt tgtttcctga tttttaatga tcaccattct 3300  
 aactggtgtg agatggtatc tcattgtggt tttgatttgc atttctgtga tggccagtga 3360

tgtagagcat	tttttcattgt	gtctgttggc	tgcataaatg	tcttcttttg	agaagtgtct	3420
gttcgtatcc	ttcaccacct	ttttgatggg	gttgtttgat	tttttcttgt	aaatttgttt	3480
aagttctttg	tagattctgg	atattagccg	tttgtcagat	gaggagattg	caaaaatttt	3540
cttccattct	gtaggttgcc	tgttcactct	gatggtagtt	tcttttgctg	tgcagaagct	3600
ctttagttta	gttagatccc	atttgtcaat	tttggtttt	gttgccattg	cttttggtgt	3660
tttagacatg	aagtccttgc	ccatgcctat	gtcctgaatg	gtattgccta	ggttttcttc	3720
tagggttttt	atgggttttag	gtctaacatt	taagtattta	atccatcttg	aattaatttt	3780
tgtataaggt	gtaaggaagg	gatccagttt	cagctttcta	catattggcta	gccagttttc	3840
ccagaccatt	ttattaaata	gggaatcctt	tccattttt	tgtttttgct	aggtttgtca	3900
aagatcagat	ggttgtagat	gtgtggtatt	atttctgagg	gctctgttct	gttccattgg	3960
tctatatctc	tgttttggta	ccagaaaagg	aaactggttt	attcttgaat	ttattcattc	4020
aataaacatt	tgtggaactt	cctccagtat	gtaccaggca	ctttgctggt	gatgggaata	4080
ctagtttcag	agttttgctc	cagagttcac	atggctctgt	cagttgcttc	cttaggggaa	4140
aaaagaaaag	aaaaaaaaaa	tccttaaaca	agagcttact	atcttctggc	atcccaatgg	4200
gttcatacat	ccagccagtg	aggattggat	tcacaaacag	taggtgtctt	tgaatgctg	4260
tagcttttgc	aacaggcatt	cagagcttac	atagatagca	acagagctta	catagatagc	4320
aaaccagctt	agatactttt	accagggtg	tgtctcttt	gcaaatctgt	gtgtttatca	4380
tgccaggcac	tgtgtttctt	tcaagtggct	cagttttgaa	gtggtaggtc	atgccaaata	4440
cctaacttta	ttgtatctca	tgtaatttt	attagtgtca	tctcgtgttc	tcttggtatc	4500
ttggatatca	gtgtaataaa	aatgacctg	gttaaaaaa	ctaattgtgg	actgtaaaac	4560
tgtcagcatg	tcttgaaaag	gccaaaactc	actgaatagt	aacaccctt	tagatgttcc	4620
cttaggacag	gcttttttta	aaacatggct	tctgaattat	atctccaagt	tccctgtcca	4680
cttgggcttt	ttagggctaa	tgaagcaaa	gtaagccact	actcatatcc	ctattcagtg	4740
gttgctgaca	ggattctact	tttttttcat	ctctgcagta	ttgagtttcc	caaagccaga	4800
tatggttccc	tcccactttt	gctcgaagt	tcttttgctc	ctaacaagtg	gcagcttact	4860
gtgttagctc	gggcactctgc	cttcccacag	cagggattga	cagaggcagt	ttgtgagaga	4920
accttatccc	tgggttccag	atttataaac	taatatttt	tctttaggga	agatttggtt	4980
ttcctctagg	aaaaatcatt	taaattaaga	aaattacttg	tttgattgat	agagaaagag	5040
tctgtttaat	tatctcagta	tacactacat	gtaatcatag	tttgaagata	tttgaaataa	5100
tcagaaacac	cgatttttcat	tagggcagtg	tttcattagg	gcaatgtaaa	ttaaaatcac	5160
aatatacact	tccattagaa	tggctgaagt	tgaaaagaat	gactgtacca	atattggtac	5220
aggattgggt	aggatatgga	gtaacaggaa	ctctcattcc	ctgctggtgg	gaatgtaaaa	5280
tggcataaac	atttttagaac	attgtttggc	agttttttta	caagtgaagc	atagacctgc	5340
catatgatca	gccatttcacc	tgttaggtat	tatggcgatt	agaaagcata	tgcataaagg	5400
gaatgtctat	aagttccacat	gaagaccctga	acacgaatgt	ttatagcagc	ttcatttgta	5460
atagtcaaat	attgaaacaca	gcctaaatgt	ccatgagcag	ggggagagat	aaactgtgat	5520
agagccacac	aatggaatgc	tgtctggcag	cctgccaaagt	agcctcaaca	tggatgaatc	5580
ccaattctgc	tgagtagaag	cagccacact	ttaaaaagca	ctacttgctc	actggttcta	5640
cttatataaa	atctagaaaa	tgaagactga	tttattgtga	cagaaaagtgg	atcagtggtt	5700
gcctgggaac	gatcggcaag	ggagtgatta	cagagagtca	tgaggaaaact	ttcagagggtg	5760
atgagtgttt	attatcttga	ttgtagtact	ggtttcacaa	ttgttttatgt	gtcaaaacat	5820
tcaaattata	catttttgaa	tatgtacagt	ttattgcatg	tcagttgtct	cttaaagctt	5880
ttttacacct	tctatatagt	ttccattcag	agtgtagctt	ccattggcaa	tactttaaac	5940
agcgtccatc	ttgctgtgga	agcactacag	aaaactgtgg	atgaacacaa	gaaaacgatg	6000
gaattactgc	agagtgatat	ggtaaggaga	cccagcaagt	cagcatgctc	ctgctcacc	6060
tttttttgtg	aagagtcatg	ttgccaaact	tccactaatc	tgaaaaggcc	ctgctatgca	6120
tctgttcaaa	agatctaata	agcagtatac	attgattggt	ctacaatttg	ttaataaagc	6180
aattatggta	gataaaatta	aaagccaaat	cttttgcaaa	catagtactg	gaggaggtaa	6240
ggtaataaga	cacagttcct	gaggatggaa	tgggtaggac	agaaaatgga	aaagaaggaa	6300
aggaagtgga	aaagtgtctc	attgtttatt	actacataac	aaagcacc	cagaagtgtg	6360
tggcttaaaa	caagtaatta	tttctcacta	ttctgtgcat	caggaatttg	agcaaggctc	6420
ttagactccc	aaatgctgaa	acatgtgctc	tggagtga	ggcaggctgt	ctagcatgtt	6480
ccagctccag	ccaggctgtc	agttaaatgc	agcctacaac	acatggaaca	gcaccacccc	6540
catccctcaa	ccccagctg	agcccagtc	acccacagaa	tcatgagaaa	tacttaattg	6600
ttgttgttct	aagccacaaa	gctttgggat	aatttggttag	gcagcaacag	ataactgaca	6660
gaatcaaacc	cctgcagtg	ctaggaattg	ttttcaaata	tctctggatc	acttagtgct	6720
gctgcagatg	taagctgtct	gcagtcattt	ggaggcctta	atcaatcact	taatgggtga	6780
cagccccgtg	aaggatttat	gaagagtaaa	aaaaggtagg	tgcagccctt	gccattcttc	6840
tggggagatg	agtt					

gagctctaga	agagagtttt	tttccatttt	cttcaggact	ggcacacctc	actgttactt	7080
agtggggcta	acccagagga	aaaaacattg	atctgggtgt	caagaccctt	ggttctgggt	7140
ctaactgccg	ctgagtaact	gtgtgaccca	tagtaacaaa	gaccctctta	attcagcaat	7200
tcttttatta	ttttaatatc	ttgattatgc	tctcaagtaa	ttcactattt	tctaaaataa	7260
tttttcttaa	ctaaaaaatt	tectgccttc	tagaaccatg	gattcccccc	tcttctcttc	7320
ctccttttct	ctttattggt	gccttttggt	tttcttataa	aaacagggtt	gatttcagat	7380
ttcaaggaaa	acaacttatt	ttcaccagtt	gcattctggt	ataattaaat	ctacttcttt	7440
taaattttcca	tagctgccaa	tggtaatcct	cctactgtca	ttctttgtgc	tagataagtc	7500
atagttatgg	gctctgaagg	gttaagccat	gcaaagtttt	cctcactaaa	ggaaaagtgt	7560
atataaacat	gttatacttc	agtctctgga	aagaaaacttg	agcagtggga	agggaaatggg	7620
aaaggaaaga	taaccctcaa	acataagttc	tacttagcat	aatgctataa	gggaaaaact	7680
aataatgcac	atgattgggt	gttatgctaa	atgcccaagc	cagtgggttac	atgactggct	7740
gcctttttta	tgtcaaagct	cttgagtcca	gtggaaacaa	tgacactgtc	ccaggttgag	7800
accgagttgg	tccctggaaa	gttacagtga	tgctatagtt	tctctgggag	cacaggcaat	7860
ggggcacaagg	agaaatgggt	tctagagagt	tcattccttt	aagagattga	gaaatagact	7920
aggaggatct	cagttcccta	atgtaatctt	ggtgctgctg	gcctagtga	tgctcaagct	7980
gggttctctc	agaacctagc	acaagactgg	ttagcctgta	cattccctgg	caatacttac	8040
tgattaatct	gtggatgcat	tctgggggag	gctagaatgt	tctaggacaa	tctcagatag	8100
ttaagtagac	ctaataattc	cttggtgcct	acactaaact	tctttcctct	taacagaatc	8160
agcacttctt	gaaggagact	cctggaagca	accagatcat	tccgtcacct	tcagccacct	8220
cagaacttga	caataaaaacc	cacagtga	atttgaaaca	ggtgcttttt	atctctggct	8280
taactccctg	tgaccacagt	gcactgcaga	ggcagccaaa	tagtttgggc	ttagtgtttg	8340
gtgtctcagc	aggtgcatcc	tgtatttatt	tgctgctctg	ggagctgagc	agagaggaat	8400
gtgtgtttgg	atctcgggga	tccatattgc	tgtcctttcc	cttctttggc	actttgcagt	8460
ttttccctgc	atgtcagtca	gtggagtaaa	ttccttttct	tatcttgaaa	gacatagaat	8520
gagcagatta	tcttgaaact	ctttatgaaa	aaatagctat	ctgggcaggt	taaagatgaa	8580
tggatagcta	agtaatccag	agtgatggct	attttgagcc	acagtaaatt	ctaagaatgt	8640
tagaaaagcat	atccttgaaa	atcaggattt	tctaaagtct	aaagacgaaa	aggcaagagg	8700
gggaaaaaaag	acttttgagtt	cagaatcaca	ttaaagagaa	tagaggaaat	cttcactcag	8760
aagaatttct	gtcctgagtt	taatgccttt	taaaacctat	agttatcatt	ctttttaaag	8820
tagcaatcag	tactggagga	tgtcagtaaa	aataattgaa	tcttatacta	aacaatgcac	8880
tacttgttat	ggtattgtta	catgagccaa	ttcagtaatc	ggtattgttc	ctgaggtagg	8940
tttgttctga	caaattaggt	taatggacct	ttcattttaat	aaccagcaa	gcctttcctc	9000
cagcaggtga	ggtaaacatt	ggggaaatca	attcccaagc	tctcagcttt	ctgggaccaa	9060
agagtgaatc	atgtaggtag	tctctttccc	tctttccccc	tctgtcttag	ctgaggccaa	9120
acaattccaa	aaggagcaat	ttagagtgcg	agggacaaaag	caaagacaga	cgattgatgg	9180
tcaaaaccag	gaaaaggagt	ttacttcagt	acttgacata	gtaatggttg	ttcgggtgctg	9240
ctggcctgct	tgtctaattt	acgtctttag	tggattccat	aactttattt	atttccactc	9300
taggatatcc	tgtaccttca	caactcttta	gaggaggtaa	acagtgcctt	agtggggtac	9360
cagagacaga	atgatcttaa	actcgaggga	atgaacgaga	cagtcagtaa	tcttaccctc	9420
agagtcaacc	tgatagaaa	cgatgtgggt	gctatgagca	aggtagaaaa	gaaagcaaac	9480
ctgtccttca	gcatggtaag	ccttttctga	tcttttgtga	catgcagtgt	gttttgtctg	9540
tgcatggata	acattctacc	accttttgag	aacagccttc	tggcatattt	gagaggccac	9600
acatttgtgt	tgtgcttaat	cctcacaatg	tgttgtctca	tttaatcctc	acactagctg	9660
tgtgatgtga	atggccaggc	agtgtttgtc	ctgattttgga	gagggagatg	cggagaggtc	9720
gagtgcctta	ccaagbcctc	accactagtt	tgtggcagag	atgacaaggc	tactgtcatg	9780
ttaccagtgc	gccatctggg	agggaaagtgc	gggcacgtat	ttccgagggc	cttttgggtc	9840
ttttcttttt	taagttatta	ggggtgggag	cctagaaaat	gatagtaacc	aaaaatcttt	9900
tatcattttct	ttaaacctga	acttggtctt	catattttatc	ctgctgtcta	tatattaagg	9960
ggaacctttt	gcgtatgtca	ggaaacagat	caggtcagat	cagctcccca	acttaagagg	10020
tcattgagtt	cacctcttca	ttttacatgt	aaggaaactg	acctactaag	tcactgatgc	10080
tggccgactg	tgcacggctt	actgattttc	atattgttgt	gaataaaaatg	tgcagtttca	10140
cataaacttt	gtgcagggat	ccacatggat	tcttttttta	ataactgcag	ccccaccctt	10200
taaagatttc	atatagcaaa	gacacaggca	tatattttaa	aatagaaaacc	aaatacagga	10260
aattgtgcca	taaattcaag	taaccaccaa	agctggaagt	aagcccacaa	ataaagtcaa	10320
actctggttc	atggaaagca	gcatttgaac	tggctctgcc	acagtggagc	cttggaaggt	10380
tgcctggact	tggctttgaa	gggtggagtt	ggaagacctg	ttccccctcc	tgttttacag	10440
agttgtataa	tttactacaa	agctgtgaag	attaaaggag	ctttatttta	cgaagccctt	10500
ttgaactcag	ctaaactagg	ttggctaaga	attttgatg	atgagtatta	tgccttgaaa	10560
gttttcaagg	cttattgtga	aaacttacca	ctcctaaact	ctctttactg	tctctgcctt	10620
ctccccctac	tttatatttc	tccagcagag	aaaataggta	atagtatcca	tctgtcctac	10680

tgtttcttag	agcagtatcg	tgctcagcat	ggatatttga	gtaaaagtcc	taccaccttt	10740
tatccttcaa	agccttaaag	tttgtgactg	aaacagctag	aagcactagt	ttcaacttcg	10800
tctctggcct	ttctccctct	ctcctcccat	ctcccactcc	tctgcaattt	ctgttgagag	10860
tgttctgaga	tccttttaaat	aagtttgacg	aattttgttt	aaagtgc tag	gtgttcaagt	10920
tttaatgttt	gcctttaatc	ttccctttgt	ttgtttgttt	ttgttttgcc	ctttaagatg	10980
ggtgatagat	ctgccactct	gaaaagacag	tctttggatc	aagtcaccaa	cagaacagat	11040
acagtaaaaa	tccaaagcat	aaaggtaaat	aatgggaggc	ttaccctgaa	gtaaaagtaa	11100
atgcagcagc	atctctgtgc	ttttgatcta	ctgtactttt	ttcaaagggc	gtacttttgt	11160
tctcatgtgc	tgaaaactta	aaacaaagca	atagtataat	tagtatgtta	gtgaataaat	11220
gaatactttt	ttaggcacct	accctgtgcc	aaacacttta	gtaggagctg	gggggacct	11280
agtgcagca	gcagacatgt	gacccctatt	gtggtggagc	tcaaagtcc	gtcagtcaga	11340
aaatcgttaa	cacataattg	aacaggtcac	gaatcatgag	tatgataagt	attataaagg	11400
acaaatacag	gatatgataa	gatcaagaag	gcttccctaa	ggaaatgact	tttacctaa	11460
gacagtaagt	tatctgtact	aatgatgggg	gacagaggca	gagataatct	aaaaatggtg	11520
tctaatactaa	aattttatttc	ctatttttgt	attgcaatct	ctatgtattc	atagtccatt	11580
taaacctcag	ccagttccct	tcaccttgta	ccttccctt	ttttgttctt	cctagacata	11640
ctgtcaagac	agcaatctat	gatatgcttt	gatattccag	gaagaaagt	gtgattacag	11700
tattctctga	ttagagtgtt	aaactctggg	ctaagataaa	agaaaagcca	ggagatttat	11760
gaccaagtga	ctaaattacc	atctcaaatg	catattatgt	ttgagaagt	gggaggatct	11820
gaggttcaga	gaaaaagaac	ttgaactgga	accacacagt	aaaggcagct	tttgatgtaa	11880
tgctttatat	ctttattttt	cctaccttaa	tagttttata	ttatctagat	aaagtcacaa	11940
tatattaagg	ttttaatgca	tcataagcta	agcttttggt	gagttttcta	actgcttctg	12000
cagatttttt	ttaaacctca	cctagagaag	acagaaaaac	ttaagagcca	gatgtaaatt	12060
ttgagcacaa	aaaaactaat	aggtgggttc	tattagaaag	tagtagcaat	ttcagccaca	12120
gttcacattt	taacaataaa	tatcagaaca	caccagtaca	catgtataca	taaatttcat	12180
cttggcttta	ctttcaggcc	ttttttgttt	ttactgtcca	tcgcagggta	tcagttccct	12240
tgctctacct	catccaaaca	tcctaaccag	atacaatttc	tccttaccat	tagttcttca	12300
aacatttagt	acctagtgtt	cactacatat	gttcataatt	tagtctcccta	aataaaactga	12360
gtgaactact	atacagtaac	tattagagta	gaaataagat	ggggcaagag	aagttaacaa	12420
ttactttatac	aagaaaagta	aatcaataat	aaaataaatg	tgtaatgagt	tggtgttcta	12480
attaaacata	ggatcaggac	ctttcacact	catctaagca	gttagaaatg	agcctcatag	12540
aaaccagatg	tctctctttt	tataattaaa	tgtattttga	tatgccactc	ttgatactcc	12600
tgggaatgag	gcagggtatg	ggcgaaaaaa	cttttttaaa	agatacgagc	aaagcaagct	12660
ttgaattaga	aatattacag	ctccttcttt	atgtcttaac	agtttctgcc	accagttgac	12720
tcattcaccag	ggagaaacag	aggaagaatc	aggggaaaaac	ttgtggtttg	tttttgttca	12780
tgtgcttctt	tttgaagggt	ggtaagagca	tgaaattctg	cctaaagtgg	tctagtcaca	12840
aggtgaagca	agatatttcg	gaaagtattt	tagttagtgt	gaaatagctc	ctagaaaaca	12900
agatcctgct	tatttaggaa	atgggtgtcg	cataggcacc	tgagcaaggg	tacatttctt	12960
ttactgtctga	cacatgcatt	ccttccccca	tcaaccaaat	gttcacagtg	aatcagatca	13020
tctgtagcat	aatgttccct	taatgggttc	aaatccagca	agatacttat	cagtgtctgag	13080
gaccaaagac	atcaccagta	tatggtgatt	cattctttta	ttgtctttat	agggaaacct	13140
ctgagggtca	aacactacat	gctaacaagg	ctctgggaat	acagtgagca	cttagatgaa	13200
gtcttactac	caccttaaac	cttctataat	ctttgttttg	tcgagaaaga	agatagttca	13260
aattctcagg	tatccaagct	aagagagaaa	ctccagctga	tcagtgtctt	tacaacaaaa	13320
cctgagagca	acaggcctcc	agagaccgcc	gatgaagggt	agagcagagc	cggcttctta	13380
atatttcatg	gaggcttgag	cagcttgctt	ctcacatggg	gagcagggaa	ggtgttccag	13440
cagtactgat	cgcaccaagc	gagtgatgcc	tgaacgcacc	gagatgaagc	tgatacactt	13500
tgctttcatt	tagaaaaggc	ccatttttga	catgatttgt	actctagtct	attaagggaa	13560
gaattggtaa	tgtttagctg	gaaatagaat	ttcccatgct	gtctgcatcc	aattataggc	13620
aaaaatgtta	ctgtcataga	gtatattaag	ccagccctaa	aagttgttta	tgagagtctt	13680
ttcctttctg	taagtgcata	acatgtattt	aaaaataaat	attcgccctt	ctgaaaatcg	13740
ttacaaaaaa	taagtgtggg	atctttgggt	tgggaagggtc	tttggtctta	ggtatggacc	13800
tgtctaataca	atattagcag	atacatgagc	ctccactgat	ttagaccctg	tgaggacata	13860
accaaggcac	tggactgtgt	tagctttgac	cttttcccc	acacaagtat	ttttctattt	13920
tagaaaagca	gtacaaactc	tcttgaattc	tccttttagta	ggagacagaa	ctgtgggtgga	13980
atgtcttgct	ctaacattgt	gctacatcat	cttacgggtg	cactcttagc	accagcttag	14040
cgggtggcac	atacccttag	actgggttta	aagcacatct	cccaggatgt	caagatcttt	14100
gatatccagc	cactgttctt	gccacttgac	agcttaagct			

tcctaaaagg	tgaccttcga	tactagttta	atttggtggt	agattcaata	atactaaata	14400
aaaccttatg	tatttgttac	agagcaagta	gagagtttca	catcaaagcc	atcagcattg	14460
ccaaaatfff	cacagtttct	tggagaccca	gttgagaaag	ctgcccact	aagacctatc	14520
tccctaccag	gagtttctag	caactgaagg	aaatttttat	accacggggt	agtaatggga	14580
atgttcaaag	taataacttt	ttaatgttta	ttttcacttg	tcaaaaatat	atatgatcta	14640
acattttattg	aggagatata	aagtgccaga	tactttatat	gcattatgtc	atataatcct	14700
gataaccatc	ccatgaacat	aagtattttat	gtattataacc	catttttactg	atagggaaac	14760
tgcctaagtc	cacacagcaa	ataattgggt	gaaacagaat	gcaaaccaag	acagtctgat	14820
gccaaagctt	gtgctttttt	tttagacccc	caggctggag	tgcaagtggca	caatctgggc	14880
tcacagcaac	ctctgcctcc	cagggttaag	caattctcat	gcctcagcct	cccaagtagc	14940
tgggacaggt	gtgtgccacc	atgcctgggt	aatTTTTTgt	atttttagta	aagatagggg	15000
ttcaccatgt	tggccagggt	ggctctgaac	tcctgacctc	aagtgacca	cctgcctcag	15060
cctactgaag	tgctgggatt	acaagcaca	accaactcac	ctggccgaag	cttgcacttt	15120
taaccagtgt	actatattat	ctttctgtta	atgtttttta	gggtcttcat	tcaactgagt	15180
cctcattaaa	cctagtgtta	agcaataaga	atacagtata	agatatgggt	tcattttctt	15240
tcttcaagga	tattacagtc	taatggagaa	ggcataaaaag	caaatacaat	accatgagat	15300
tagtaaaata	aagtaaaagt	tgacctgtgt	tgctcagggt	ctccaaaaat	gaaggaccct	15360
tttactgaaa	atcagcaaaa	tattagtaca	aaggatatga	ttcacagaaa	aatgtgtttg	15420
cactgcttcc	agcagtgcac	gttctatccc	tcatgggtgat	gttttagtgcc	tcccgatfff	15480
gtatttagctg	gctgcctggc	aaatcacttg	ctcctgtcca	ccacaccttc	ctctggctct	15540
tctcttttagc	ctagatacca	ttctaccagg	aacatttctt	tacctccagt	gactggatta	15600
ggctcctctc	gtgtgctctt	aaatttttgt	tgccccgtgt	tagcacatgt	cactctgttg	15660
gaatttctctg	gggagatata	aaatataact	tcctatgggt	aaggactatg	tcttgtttac	15720
tcccagcccc	tagcacagta	cctgggtactc	ctgaatatgt	gttaaataaaa	tgaatgagtt	15780
acctacacat	tgcaattaaa	tgcttaaaag	atagaagact	taaatttttc	tatcaccatt	15840
taaatgtgat	tacttttctt	ccctgttctt	gacttttttt	ttttctgttt	tctggggagg	15900
aggggaagtg	ttgtgtttta	tgggaacaca	agcttctctg	cactttccat	tgtaaatca	15960
atatttgatg	agaatgaatg	ggggaaagct	attaggtcag	agtaaggaat	agcagtcctt	16020
acacttggtg	ttcagtcctc	agcataggcc	ttaaataact	ttggatgact	atacttttgg	16080
aatgacctga	ggcagcaatc	atatttttat	ttgaatactg	ctaccaagtg	cgtagtgtag	16140
catgttgatg	aaactcatgc	cacaaaaaaa	aagaaaaaaa	aaaacagaac	tcttcagcta	16200
gccacttggt	gtaaggcatt	gggaacaagt	gtcccactgc	tttctgcct	ttcagagagc	16260
ttttgacatt	ttattagctg	cattgctgca	cctattgtag	gagtgtgagt	agggccctat	16320
tcaggagctt	gtttatagga	gctccttgat	ggactggacc	ttgcaactga	actgttttcc	16380
ctcccttcaa	gctattttta	ttcttctctg	ataccaaaac	tcaagaggcc	tattttacct	16440
agggtatggtg	tggaaataat	gatgaaatta	aaggagtgtg	ggaagatttt	taaagaaaca	16500
taaagctcat	tgaccttctt	tgggtattaga	tattaaatct	tctatttgat	tatggggaca	16560
caagtatttt	ttaaagtgtt	tgtatatacg	gccaggtgca	gtggctcatg	cctgtaatcc	16620
cagcattttg	ggaggccaag	gcaggcagat	ggcttgagct	caggagtctg	agaccagcct	16680
gggcaacaca	tgaaatccc	aaactctaca	aaaatacaaa	aattagccag	gcgtggtagc	16740
gcacaccctg	taatcccagc	tactcgggag	aatagcctga	gcctaaaagt	ttgaggctac	16800
agtgtgctgt	gatcatgcca	ctgcactcta	acctgggtga	cagagggaga	ccctgtctca	16860
aaaaaaaaaa	aaaagttagt	tatataactg	accttctctt	gtgtttgtga	tgaggccctt	16920
gagaaaatgc	cagaagaaac	tattgataga	cattctctaa	tcaatttggc	tcaatattgc	16980
cattgaaata	aaaaagatac	agatcaactg	gtaatatgtc	tctttttctt	tttactgatt	17040
tttaaaaagt	agagagcatg	cactttggag	agataattcc	tctgggttctt	ttttattgaa	17100
atacaattca	cataccataa	cattcacctt	tttaaatgct	agtgttttta	atccagtgtt	17160
ttttagtgtg	ttcacaaggt	catgcaacca	tcaccactat	ctaattccag	aacattttca	17220
tcacccttca	cagaatctct	gtaccattta	aacagtcact	cccagtcccc	tctcctgcca	17280
gtctccagca	accactagtc	tcttaatcac	tatctctatg	gattttgcct	tttgggggtg	17340
ttcacataaa	tggaaatcata	cagtatgtgg	ccttgtgtgt	gctttttctt	tcaatatgat	17400
tctttcactt	agcataatgt	ttttatgggt	tattcatgtt	ggagcatgta	tcagtacttc	17460
gttccttttt	atggctgaat	aatattccat	tctgttgacc	taacacattt	tgggtctgtt	17520
atccgttgat	ggacatttctg	attgtttctc	cttttgggt	attaagagta	atgctgccat	17580
gaacattcat	gtgcaagttt	ttatgtaaac	atatgttttc	atttgccttg	agtatatata	17640
tacctaggaa	tggaaatcat	gggtcatatg	atagccctaa	ctttttgagg	aactcctaca	17700
cttttccaga	catggctgtac	catgtttacat	tcccatcagc	aatgtgtgag	gggttcaatcc	17760
actttctcca	cactctccct	aatgcttgggt	aaggcctgtc	tttttttatt	atagccatcg	17820
tagtgattat	gacatgggtat	ctcattacac	ttttgagtca	ctgggttctt	agctgcttaa	17880
tttctggatc	cagagagaca	agtgtcacat	agtagaaaga	gcactggact	aggtataaag	17940
aaatttgtat	tctaggccag	gtgtgggtgc	ctagcacttt	ggggagggtg	aggtgggcag	18000



atcatttgag	gctaggagtt	agagacctgg	ccgacatgat	gaaaccgcat	ctctactaaa	18060
aatacaaaaa	ttagccaggc	ctgggtgatac	acacctgtca	tgccagctac	taaggaggct	18120
gaggcaggag	aatagcttga	acctaggagg	cagaggttgc	agtgaagcaa	gatcatacca	18180
ctgcactcca	gcctgggtga	cagagtaaga	ctccaccaaa	aaaaaaaaaa	aaaaaaaaaa	18240
aaaaaaaaaca	ggcgtgggtg	ttcacgccta	taatcccacc	actctggggag	gcccagggtg	18300
gcgaatcacc	tgaggtcagg	agttcaaggc	cagcctggcc	aacatggtga	aaccccatct	18360
ttactaaaca	ttaaaaaaaa	ttagctgggc	gtgggggagg	gcccctgtaa	tcccagctac	18420
gcaggaggct	gaagcacaaa	aatcacttaa	acccaggagg	caaagggtgc	agtgaaccaa	18480
aatcgcccca	ctgcactcca	gcgtgggcca	cagagtga	cttagcttca	aaaaaaaaaga	18540
aagaaatttg	tattgtattc	cacttaagag	ttacatgacc	gtaggcaagt	tactttcctc	18600
tttgagcttt	ggatttcctg	tcaaaactga	gaaagctatg	agtgtttggg	attgttttat	18660
gggcttccaa	gtcattcctc	cagtctccac	tcagccatcc	aacaagaaat	ctcacaatat	18720
gccacagtct	gttttatgag	ctagctccta	tcacataact	cattaggcct	ctgcattcct	18780
tttcacccct	tcaacataag	aataaattca	ggaaaatcta	aagggaagac	gctggacaga	18840
gagaagatga	gaccattcat	tctcctgcga	ttatctgtca	ctgcttctac	tttggcagtg	18900
tctcactgtg	ttgccaggc	tgggtctcaa	ttcctggcct	caagcaatcc	tcctgcctca	18960
gcctcccgaga	gtgttgggat	tataggcata	agccactgca	cccagccttt	tttttttttt	19020
tttttttaat	atatttttaa	gggatcaaaa	attagtcctc	ctgatttagt	gaaatcctaa	19080
actttaccat	ttggaaacaa	aattttgcga	gtagcttttc	tttttagtgt	ttaaattcag	19140
ttgagactac	ttttaactaa	atttagctgt	atgtttagac	gtatacattt	tttgtaattc	19200
atttttgaca	gatcttcagg	atttattccg	caagactggc	caggacgtgg	atgggaagct	19260
gacctaccag	gaaatctgga	cctccctagg	ttctgctatg	ccagaaccag	agagcttgag	19320
agcatttgat	tccgatggag	atggaaagata	ctcattcctg	gagctaaggg	tagcttttagg	19380
tatctagctt	catcaggcat	attttagaaa	tggactgcct	aatatctatt	tacctaacaa	19440
caaaacaacc	cttacttacc	catcagtcct	ctagtcctcc	aaactactgt	agcagatact	19500
ttgccacctt	ttactttgtt	tgaagaagct	atataaaagt	tattttttta	aagaagaaga	19560
ccattttact	tatgatgttc	agaaatctat	gatttcctac	aaccagtaag	atcttacatt	19620
ttaaaattgc	cagaaaaaaa	attaaagccc	tctttttttc	tctttccttt	ttttgagggg	19680
aggagacctt	atctttttaa	gctgggaaat	gtatatagag	agagaataag	ccacttttat	19740
atttcactta	aattttgcct	aaattagctg	cactttatag	agactcagaa	aatgtccttt	19800
ctttaaaaga	taggcctttt	ctgtttgtaa	atattttaa	gaaagaaagc	attgtgcata	19860
ttgtgtggaa	agtaggga	atggttttga	acaggatatg	aacaaatgac	ttattaaaaa	19920
ttgtctgatc	ggtgtagggtg	gcagctgaaa	ctacatccat	gtctccataa	ggtatccctc	19980
aaaggcccg	gcgctgccag	ggggtttgtc	ctggtagctg	gaggaaccga	tttcagggag	20040
tagacactgg	agacaatact	gactccaggc	atggctcatg	gaagtaggat	tctggttctt	20100
tgttcctatt	ccctcagcta	atcccaacct	gggaatcaga	gaagtcttgg	ggatttttct	20160
catttttagt	actatttcag	ggtttatgag	cataaaaagt	tatccattgg	ggagctccat	20220
tttccctgct	gagtgaacta	gattgccttc	cccaccacc	cacttaagtc	tgtcttaaa	20280
ccgtagctgg	ctcccaccac	cagtaccatc	tccatttgaa	tggcagggct	aaattccccc	20340
agccattatc	ctcacactgac	caccagagc	tttagaagag	agctgtgctt	ctaattttga	20400
cccagaaaac	cataccctct	gagattttac	ctagaggcta	accaagagcc	taatatgttt	20460
ctctggggga	tgactaaagc	caaaaaggct	gtgagatgaa	acatgtgaaa	taatatccag	20520
tttccctacc	attaccagct	cagaagtagc	tagaggcttt	ctacccaaag	gatgccaaag	20580
tatagcaggg	caggcctgga	gctagggcct	tcacatggtg	gtagcaagtt	tttcaaattc	20640
aatacaatca	agtacaatac	ttccttttaa	tgcttctgtg	gacctggcat	gaaagatccc	20700
tagattgaaa	ggaataatac	ctccatgtct	cctgtatgtt	gagtctagaa	ttgctgtgtt	20760
gttcttagaa	gcagtctttg	ggcaacaact	tgaaggggga	aaaaaaaaact	acaaaaactt	20820
aactttggta	taggccaagt	caggagaaa	gtagagaaag	ctgtcatgcc	acagacttct	20880
ttagtggaga	tcatttcctt	tttaactttg	ttcagggttg	ccttcaccat	ggatacagtc	20940
cggtaccctt	aaacatttaa	gggtgttttt	ttttttcttt	acatgatgtt	cagcttggtta	21000
ttaaccaaac	ttaaattttt	tttccagaag	tattaaaatt	tagttaaagc	aagatgaagt	21060
cttttcccat	gaatgtgtcc	ccttatctca	ttatagctta	tgctcagttt	cactttcttg	21120
gaaagggtta	aacaaattag	cctggcactt	taggtaactt	gaaaataact	ctcacccttc	21180
tgactgcctt	ccatccactc	tcaccccaca	ccttttttta	atatatatac	acccttacag	21240
attttctaac	aaccaataaa	aattctagca	ataaattgaa	ttatactgct	atatttgtat	21300
atactgtacc	ataaatagta	tgtctgtacc	tgggaaggat	ttttttgaga	actgatttat	21360
atgaaatata	cttgagggtta	atgtagcttg	tccctttttg	tttcaaattc	ttattcatag	21420
gcagatactt	tgaagacacc	ttactctttt	gttgtgtgta	ttttcccttg	catcagataa	21480
ctatacatgg	agaaatccat	tttgtttttt	ggtttatctt	ctgttcttcc	taccttgtgc	21540
ttgtctgact	agtatcacc	ctgagccagt	atacagtacc	atcctctccc	cctaccaagt	21600
ttggcagagg	tgtttatact	gcattctcag	atctatgaat	atttttgtca	tcctgcctga	21660



gaaagtacat	cttccaggca	aaagtaggg	atcttgaact	cctttcttct	gagttgagca	21720
gactcactgg	cttaagcatc	ccataagcct	attatttagt	gtgaatttgg	gacttttatt	21780
tgtagttgt	cttaacttac	taagcctgtg	acttgatatt	agctgtagtc	aagcctcacc	21840
agccatatct	catctctgag	aggaagactg	gatagttagt	ttgggttttg	ttttgggttt	21900
aaaccctttt	accttttcag	tctggcagct	cctactgctg	ccttcttaag	ttactcaaag	21960
cactgcttct	tggtccttgt	tttcttttgc	cttgtagtat	cctgtataat	gtttactaaa	22020
agagcctccc	cataaatcag	agaggcaaaa	aggtagcata	taaaaagaag	aacccaaaaga	22080
agagaaaacc	tgacttctag	atgactgtgg	tgatcatctaa	aaggcagagg	tgccctgaccc	22140
tcaggaatgt	gtatgatgca	acagagctga	agaatgggtt	cccttcacct	actgctggcc	22200
attgtccctt	ctgttggaga	ttccttttct	tatgggttgc	gttcataacc	ccttcaacac	22260
cccccttgc	tggtcctgcc	ggtcacagtt	gaggattttg	gctgtgatgg	gctcatactc	22320
ataatggcct	gttgagttgt	tttttagtgac	aggttttgtt	tgctgcacac	ctcattggct	22380
tgcttaccac	caccagctag	aagtgggtcc	tcttccatat	ccaaaccaga	acacatttgg	22440
gtattcctga	gactttatag	agcgtgtatt	gtttgttata	cgaacctaac	ctaccttggt	22500
gttttctcat	attaagaaat	ttaaatctac	tttgttttag	tgaagctatt	ttggtaatgt	22560
ataagcaatt	ttgggttctgt	ttagggagaa	ttcagggttt	ccatgacttg	atttgagctt	22620
tgcatatttc	aaataagtaa	cacagccatt	ttaatttagc	taaataaaaa	aatttctttt	22680
ttctctcaa						22689

<210> 9237  
 <211> 1754  
 <212> DNA  
 <213> Homo sapiens

<400> 9237						
cctttttttt	tttcttttaa	tgtttcatag	catgacatcc	agggtgggtcc	tgacctctgt	60
caataaccacc	ttcctgaggt	tagttccatt	tcctactctg	cacctgattc	ctgcagctcc	120
caccttcag	gagaggaggc	tacagttctg	aaggaaaagg	cctggcattg	aagctatggt	180
cttctctggg	cagattcagg	agggaaatga	agagaacatt	cctttcagga	caggtggcca	240
aaggatagga	gacagagtgg	ttcagcaggg	ggggtaggtt	gcacaagggt	ggggcaaagg	300
gcacctcctg	aaagatggga	agtgggaatg	gggatctggc	ctggggctgc	tgtggagcca	360
gctgcagtgc	agggtgcagg	ggagcagggg	cctccgcctt	ggggttgctg	tcttggtcag	420
catggctcct	gccttcgggg	atgtccaaat	cccacagaac	atctggattc	tgacacctag	480
tctcagtctt	gggtgacagca	ggggcagggc	ccgtgttgat	ggctgcattc	atgccgtagc	540
gccgtcgctt	gttaatccag	tacaacaatg	ggctgtaggt	gaatgtggca	gctctcatca	600
cctccaccac	ctgctgggca	tgctcttccc	gcctcaagtt	cctcctccag	tgacagaaag	660
taatgcaccc	tccagttatc	acagaacaca	gcccaggat	tccaaagtac	aatgagacc	720
acactaaggc	agcaagaaag	aaaaagaggc	atgctggctg	atagctgtag	cctggggcct	780
gagctgtttc	tcatctctct	ttcacttaac	ccatgcatca	atcgctccat	ccacttaact	840
actctcaccg	ttccttccct	cccttattga	cctgcctcat	cattccctta	ttcagtcaaa	900
gctagatttc	cagggagctt	aagcaccacc	tttaactctt	tacagatcac	aaaagctagg	960
tctagcgggg	gcatgtgctg	cccaggctca	gtcaagcctc	tgattcctaa	cccaggaccc	1020
atccaatcca	tcagactgag	aagtttcaact	atggggcaagt	ccatcaagaa	gcaaaagttc	1080
accagcactt	tgtgaggccc	agggtggcag	atcacttgag	gtcaggactt	caagtccagc	1140
ctggccaaca	tggtgaaacc	ccgtctctac	taaaaatctt	aaaattagcc	agggtgtggtg	1200
gtgcatgcct	gcagtcccag	ctacttcaga	ggctgaggca	ggagaatcac	ttgaatccag	1260
gaggtggagg	ttacagttag	cctagattga	gccactgcac	tccagccggg	gcaacagagc	1320
aaaacttcat	ctcaaaaaaa	aaaaaaaag	tgaaagtcca	tcagttgaca	gagacaccaa	1380
tgtcccatcc	cattccattc	agctgtgata	gtcctgggct	attgatagta	tcttctctgg	1440
ttgatcagag	catggtcttt	gccttaaaat	aattcttagt	tttctagagt	agactatctc	1500
ctaactgctt	agctctcctc	caggcagcca	ggcactgtcc	catccatgca	aagggccttc	1560
cctgagtgtt	tgtccccaag	ccctaaggca	caagtccagt	gacagggact	ggaggagcac	1620
ttactcccag	ggaagcgcag	gtcctcctgt	tggaatcca	tacagctgag	ccttgggtacc	1680
tggccgatgg	ctctggggag	agggaactca	cccacccatc	tgcccagcca	gtcagcccat	1740
ctgcccagcc	aatc					1754

<210> 9238  
 <211> 6994  
 <212> DNA

<213> Homo sapiens

<400> 9238

ggcaatgggtg	gcttgctatc	cgggaaatgg	aacaggttat	gttcgccacg	tggacaaccc	60
caacggtgat	ggtcgctgca	tcacctgcat	ctactatctg	aacaagaatt	gggatgccaa	120
ggtacttttg	aataatggga	gtagagtgtg	gggttagaaa	ctacaggaaa	atgattcaga	180
taacttagag	gagagtttat	attgagttca	tagttgccgt	atctcccact	gatgaaacat	240
ttctatttcc	atttcataac	ctcctgcgac	aatggaatta	gtcctaaagt	tgtaagaag	300
aaaacaatga	agttaatttg	gagtggggta	ggtaggggtga	ttattaaccc	tacctctggg	360
aaggggtggt	gatgaaggga	aggtaatttg	atattaggat	taaggattaa	tttttttcag	420
tttaattcag	agttgttctg	actcaatgca	gaataggata	tacacttttc	cctcccagca	480
gcagcattga	gaaagtccca	caaaaataga	actgtaggct	ataaaacccat	ccccagaga	540
gatttcccac	acagtcctct	ccctcggggt	ggtagtcttc	attgatggct	gcttgccatg	600
gcttactatg	gtttgtgaat	gccaaaggct	ttgtggctta	tttttgtatt	atagaactta	660
tagatagatg	gagatatgaa	gcctggttcc	atgcttacag	acattcatct	ggactctgta	720
tgctttccga	aagttaagaa	tgatttagga	gtctgggaag	tcagataact	tttcaagctt	780
atttggtctt	tgaaccttct	gcactcfaat	ttcctgttca	ttaggcaaat	actggctgtc	840
ataaagcaat	aatattttat	cagagtcaga	aaaacgaaac	ttgggaaacc	attgaatcag	900
tgaaaaggcc	tatctcttct	ccctgttttg	taacatgact	ggaatacatc	cattaagtct	960
cctttaaaaa	cttgagaggt	gctgatagag	acaagagaat	aaagttatca	gactggtaat	1020
aataaattgc	aaggtctgga	atcattttaa	aaatatttga	gttcctgcta	gtgtcaggcg	1080
ttgtattatg	aagaaacatt	gattgtgtag	gcctgaactt	tactctgaat	atggttattc	1140
tagtaggatg	aaatagggtt	acatgtaaaa	aaaataattc	aaggaagaga	gtgggtgtatg	1200
tcataaaagg	tgacagattag	gtggtctgag	agttcagtaa	aaagagcatg	taacttccaa	1260
ctaattgaggt	cagataggag	ctaaggaggt	tcagaagagc	tgtaaattct	aattgaaggg	1320
gaagttacat	gtgatgattt	tcttagaaag	ttgttaatgg	ttagatggaa	ccatgtgaga	1380
tcactgggca	ttttttttta	agtcaaaaac	actcaaatat	tggcaaatcg	gtatgattca	1440
atctaatagt	actctatttt	acgtccatgg	gctttatgac	tgtgggggggt	gggagtgcct	1500
tttttggtt	aaggtgaata	aggagatatc	tctagctaag	tttgatataa	aatttggtac	1560
gaagtggctg	ggcgtgggtg	ctcatgccta	taatcccagc	acttcaggag	gccctagtgg	1620
gcggatcacc	tgaggtcggg	agtcctgagc	cagcctgacc	aacatgggga	aaccccgctc	1680
ctactaaaaa	tacaaaatta	actgggcatg	gtggtgcatg	cctctaatac	cagctactcg	1740
ggaggctgag	gcaagagaat	cacttgaacc	agggaggtgg	aagtggcagt	gaaacgagat	1800
cgtgccattg	cactccagcc	tgggcaacaa	gagtgaact	ccatctcaaa	ttggtacaaa	1860
ctatgaggtt	gaagtaaaaa	tctggggtag	catgcatttg	gagtgggtgg	tagcagatgg	1920
catgtttcta	aatggagctg	aaatatgggt	gttgataaac	tacatgagag	gtaagaaata	1980
atcccccttc	tttgtgtctt	tcagctacat	gggtgggatcc	tgcgatatt	tccagagggg	2040
aaatcattca	tagcagatgt	ggagcccat	tttgacagac	tctgttctt	ctggtcagat	2100
cgttaggaac	cacacgaagt	gcagccctct	tacgcaacca	ggtaatatgc	ggagccatga	2160
ttctcttcc	ggagcttggt	gtacaaaacc	tagttccaga	gaactcttta	aacgtgtgtc	2220
ctgtgcatgt	gggggattga	ccacacccca	tagctgatag	caaacttggt	tggagtctac	2280
aaaaattaaa	ggggaaactt	tgcgttcttt	agcatatcaa	acctaacctc	agtttgaaag	2340
tactattaac	aagttgtttt	ctattagatg	agcatattgg	attccaattt	ctcaaaagta	2400
ttttctctct	ctctcctttc	ctcccttctc	ttatctctct	ttcccttttt	ttaaaaaacc	2460
taatgttgaa	ctatgcctag	agaatgttgg	ctgtcacata	tcaggaattc	tgtctgggtta	2520
ctttggatga	gtttacaagc	tgctaattgc	aagcagagaa	agagccttga	gaagagaaaag	2580
agtaatttgt	tttgactttc	tctttttgtc	ttttccttgg	tttgaaattg	gcttgggctt	2640
gctgtatcca	tggtccaaca	gttgatgtt	ttattaatct	ttcttttata	atgtgcacat	2700
gaagattctc	agagtaactg	aacaccttag	tattgttttag	gaccaatcta	gacaatcttg	2760
acaaaaaatc	ttcattctca	attctgcctc	tcatttacct	ttgtctgtgt	ctaaagcaat	2820
aagccgggca	gcattggagg	gctatggagt	gcagcttata	ctgagactag	cattcagggg	2880
caggaggaga	gaattttggt	aggatgatga	ttaaacccta	acaagcctaa	ttaaattaag	2940
atcacatgtg	ccctcctccg	gaagtcacac	agcttagccc	caaaccacgt	tatatattaa	3000
ctgccaaatc	ggaatgtctt	ctagatgagc	agggaaacgaa	ttctaccact	gaagtcagct	3060
tttgtgtttt	atgggggtatg	taactaaacc	ctgttgtttg	tggcagaagt	cttttggttat	3120
tccccaatct	catgatgact	ggccttacag	ggaaaacatt	agcaaagtgt	gatgagaagt	3180
cccttgaaaa	aaactcaagt	gctatagaaa	ttgttagcta	cggaaagtag	taacaatcat	3240
tacaaaatga	aacttttaaaa	aaaaaccaag	catgaaatgg	ctcccattac	agtctatcca	3300
atgaatggga	taaagcaaat	tagtggggat	gcagtagaaa	gctctggggc	attattatta	3360
ttcaattgca	attttgcctc	aatgtccaaa	actaaagaaa	gcaagccaag	agtttttaac	3420
atactgtgat	ttacataagt	cgtttttcaa	agcttcactc	aaatgtcatc	tcttctctat	3480

gttctcgcca	ccaacttggg	tctcccagtc	tttagcagaa	tgactccctt	ctagtccttt	3540
ctgtagaggg	tatgtttacc	tgttgacatta	ttgcaaaatc	acctgtctcc	cctactttgga	3600
gcctgagatc	gcagaggaag	atctgatcac	aggggtcattt	gaattccctaa	tgcccaagat	3660
aatttctggc	acatacctgg	aattcccttat	gcatttttatt	acattgaaat	agaattaaaa	3720
ccagagaagt	taatttttaa	ttaaaaatcag	cgtagacagg	ccgggcatgg	tggtctcacac	3780
ctgcaatccc	agcacttttg	gaggccgagg	tgggcagggtc	aagagatcga	gaccatcctg	3840
gccaacatgg	tgaaacccca	tctctactaa	aaatttaaaa	attagctggg	tgtggtagcg	3900
tgcacctgta	gtcccagcta	cttggaagc	tgaggcagga	gaatcgcttg	aacctgggaa	3960
gtggaggttg	cagtgcgccc	agatcacgcc	tctgcctggc	aacagagcaa	gactccatct	4020
caaaaaataa	ataaataaat	aaataaataa	ataaataaat	aatcagggtg	gacttctaata	4080
aatagagaaa	acttttaaac	ttttaatgtg	agattttatag	gacattttgtg	tttctagtag	4140
taccattaaa	tctcttttct	tatatctgct	tatctttcac	agatatgcta	tgactgtctg	4200
gtactttgat	gctgaagaaa	gggcagaagc	caaaaagaaa	ttcaggaatt	taactagtat	4260
gtgtttgata	attttctgtg	acttttgcag	aagttaatcc	ttgactttta	ttcaatttta	4320
tgtagtttta	aacatgttct	gttcaatctg	ttacggctta	gctttatata	taatgacatc	4380
ttgatgggtt	ttatcctgaa	accttggcct	tagggctctt	agaaaaatca	gaaacaatgc	4440
aaggggcttc	ccctgagaat	gcccactgaa	tgtatgatgg	tttatgatag	atgggaaata	4500
gttaactttt	tcctattaat	gttaaccagt	caaatgtaac	attaaatttt	gcccattgatt	4560
tttggcatat	tgcaaaggaa	atataatgga	accaggttat	gatggcaaaa	tttattatat	4620
tgggtgagac	tgtgactctc	agtataacag	cagggtctcat	gtaatatataa	ctgaatatata	4680
cagcactact	cctatccctt	ccaaccagta	ttagaaggca	gcatttccca	aaatacgttg	4740
catataaaca	caaatcctgc	caatttggta	aattcctggg	cccaaaaatg	tgggaaatgt	4800
tgcatgctgt	atgcctgtct	taaaaagagt	cacattgtctc	actagcatat	taaattaagg	4860
cgctaagaga	tctgcagta	aggaaacata	tataatattg	cctagcccat	aaccatttg	4920
gactgtatac	ctctcaaata	ccaaagtggg	ctccaaattg	caccaggaa	atctcagttt	4980
gttttctctt	ccagatggcc	tacactgctt	aactctgata	tgtgagtgg	gctacacttc	5040
atacaactta	tgctcagcat	tagcccaaga	ggtgccaatg	ctggatgtaa	acccaaagtt	5100
cetccacagt	ctgtgaggca	tatgggaaag	atcccattgc	aaagtcaaga	gagaatcctt	5160
tggcagagct	ctattaggag	gcttatataa	gatgggaagt	gtttactgga	ggcttttttg	5220
tgacatttgt	gacataaaac	tcactcagagc	tgactccata	ccctctttat	tctcctttct	5280
gtccccaacc	cagggaaaac	tgaatctgcc	ctcactgaag	actgaccgtg	ctctgaaatc	5340
tgctggcctt	gttcatttta	gtaacgggtc	ctgaattctc	ttaaattctt	tgagatccaa	5400
agatggcctc	ttcagtgcac	acaatctccc	tgctacttct	tgcatccttc	acatccctgt	5460
cttgtgtgtg	gtacttcatg	ttttcttgcc	aagactgtgt	tgatcttcag	atactctctt	5520
tgccagatga	agttacttgc	taactccaga	aattcctgca	gacatcctac	tcggccagcg	5580
gtttacctga	tagattcggt	aatactatca	agagaagagc	ctaggagcac	agcgagggaa	5640
tgaaccttac	ttgcacttta	tgtatacttc	ctgatttgaa	aggaggaggt	ttgaaaagaa	5700
aaaaatggag	gtggtagatg	ccacagagag	gcactcacgga	agccttaaca	gcaggaaaaca	5760
gagaaatttg	tgatcatctga	acaatttcca	gatgttctta	atccagggtc	gttgggggtt	5820
ctggagaatt	atcacaaacct	aatgacatta	atacctctag	aaagggtctg	tgatcatagt	5880
aacaatttat	aagtgtccca	tggggcagac	actccttttt	tcccagtcct	gcaacctgga	5940
ttttctgcct	cagccccatt	ttgctgaaaa	taatgacttt	ctgaataaag	atggcaacac	6000
aattttttct	ccattttcag	ttcttacctg	ggaacctaat	tccccagaag	ctaaaaaact	6060
agacattagt	tgttttggtt	gctttgtttg	aatggaattt	aaattttaat	gaaaggaaaa	6120
atataccctt	ggtagttttt	tgtaaccac	tgataactgt	ggaaagagct	aggtctactg	6180
atatacaata	aacatgtgtg	catcttgaac	aatttgagag	gggaggtgga	gttggaattg	6240
tgggtgttcc	tgtttttttt	tttttttttt	ttttagtttt	cctttttta	gagctcacc	6300
tttaacacaa	aaaaagcaag	gtgatgtatt	ttaaaaaagg	aagtggaaat	aaaaaaatct	6360
caaagctatt	tgagtctctg	tctgtcccta	gcagtctttc	ttcagctcac	ttggctctct	6420
agatccactg	tgggtggcag	tatgaccaga	atcatggaat	ttgctagaac	tgtggaagct	6480
tctactcctg	cagtaagcac	agatcgact	gcctcaataa	cttggtattg	agcacgtatt	6540
ttgcaaaagc	tacttttctt	agttttcagt	attactttca	tgtttttaaa	atccctttta	6600
tttcttgctt	gaaaatccca	tgaacattaa	agagccagaa	atattttcct	ttgttatgta	6660
cgatatata	tatatatagt	cttccaagat	agaagtttac	tttttctctt	tctgggtttg	6720
gaaaatttcc	agataagaca	tgtcaccatt	aattctcaac	gactgtctca	ttttgttgta	6780
cggtaatag	tataccttcc	taaatctact	tgaattttat	tcacttatta	tgttttattg	6840
cttgatccct	ttctctggag	tgtaagcaca	atgaagacag	gaattttgta	tatttttaac	6900
caatgcaaca	tactctcagc	acctaaaata	gtgccgggaa	catagtaagg	gctcagtaaa	6960
tacttgttga	ataaactcag	tctcctacat	tagc			6994

<210> 9239  
 <211> 7005  
 <212> DNA  
 <213> Homo sapiens

<400> 9239  
 ggcaatggtg gcttgctatc cgggaaatgg aacagggttat gttcgccacg tggacaaccc 60  
 caacggtgat ggtcgctgca tcacctgcat ctactatctg aacaagaatt gggatgccaa 120  
 ggtacttttg aataatggga gtagagtgtg gggtagaaa ctacaggaaa atgattcaga 180  
 taacttagag gagagtttat attgagttca tagttgccgt atctccact gatgaaacat 240  
 ttctatttcc atttcataac ctctcgagac aatggaatta gtcctaaagt tgttaagaag 300  
 aaaacaatga agttaatttg gagcggggta ggtagggtga ttattaaccc tacctctggg 360  
 aagggtggtt gatgaaggga aggtaatttg atattaggat taaggattaa tttttttcag 420  
 ttttaattcag agttgttctg actcaatgca gaataggata tacacttttc cctccagca 480  
 gcagcattga gaaagttcca caaaaataga actgtaggct ataaaacat cccaagaga 540  
 gatttccac acagtcctct cctcggggg ggtatgtctc attgatggct gcttgccatg 600  
 gcttactatg gtttgtgaat gccaaaggct ttgtggctta tttttgtatt atagaactta 660  
 tagatagatg gagatatgaa gcctgggttc atgcttacag acattcatct ggactctgta 720  
 tgctttccga aagttaagaa tgatttagga gtctgggaag tcagataact tttcaagctt 780  
 atttggcttt tgaaccttct gcactcact caagtcaga aaaacgaaac ttgggaaacc attgaatcag 840  
 ataaagcaat aatattttat cagatgcaga aaacgaaac ttgggaaacc attgaatcag 900  
 tgaaaaggcc tatctcttct cctgtgttgg taacatgact ggaatacatc cattaagtct 960  
 cctttaaaat cttgagaggt gctgatagag acaagagaat aaagttatca gactggtaat 1020  
 aataaattgc aagggtctgga atcatttaac aaatatattga gttcctgcta gtgtcaggcg 1080  
 ttgtattatg aagaacatt gatgtgtgag gcctgaactt tactctgaat atggttattc 1140  
 tagtaggatg aaatagggtt acatgtaaaa aaaataattc aaggagaga gtggtgtatg 1200  
 tcataaaagg tgcagattag gtggtctgag agttcagtaa aaagagcatg taacttccaa 1260  
 ctaatgaggt cagataggag ctaagggttg tcagaagagc tgtaaatctt aattgaaggg 1320  
 gaagttacat gtgatgattt tcttagaaag ttgttaattg ttagatgga ccatgtgaga 1380  
 tcaactggca ttttttttta agtcaaaaac actcaaatat tggcaaatcg gtagtgattca 1440  
 atctaatagt actctatttt acgtccatgg gctttatgac tgtggggggg gggagtgtct 1500  
 tttttgggtt aagggtgaata aggagatatc tctagctaag tttgatataa aatttgggtac 1560  
 gaagtggctg ggcgtggtgg ctcatgccta taatcccagc acttcaggag gccctagtgg 1620  
 gcgatcacc tgaggtcggg agtctgagac cagcctgacc aacatgggga aacccctct 1680  
 ctactaaaaa tacaaaatta actgggcatg gtggtgcatg cctctaatec cagctactcg 1740  
 ggaggtcag gcaagagaat cacttgaacc agggaggtgg aagtggcagt gaaacgagat 1800  
 ggtgccattg cactccagcc tgggcaacaa gagtgaactt ccatctcaa ttggtacaa 1860  
 ctatgaggtt gaagtaaaaa tctggggatc catgcatttg gagtgggtgg tagcagatgg 1920  
 catgtttcta aatggagctg aaatatggtt gttgataaac tacatgagag gtaagaaata 1980  
 atcccccttc tttgtgtctt tcagctacat ggtgggatcc tgcggatatt tccagagggg 2040  
 aaatcattca tagcagatgt ggagcccatt tttgacagac tctgttctt ctggtcagat 2100  
 cgtaggaacc cacacgaagt gcagccctct tacgcaacca ggtaatagcc ggagccatga 2160  
 ttctctctcc ggagcttggg gtacaaaacc tagttccaga gaactcttta aacgtgtgtc 2220  
 ctgtgcatgt gggggattga ccacacccca tagctgatag caaacttgtt tggagtctac 2280  
 aaaaattaaa ggggaaactt tgcgttcttt agcatatcaa agctaaccct agtttgaag 2340  
 tactgttaac aagttgtttt ctattagatg agcatatttg attccaattt ctcaaaagta 2400  
 tttttctctt ctctcctttc ctcccttctt ttatctctct ttcctttttt ttaaaaaacc 2460  
 taatgttgaa ctatgcctag agaattgttg ctgtcacata tcaggaattc tgtctgggta 2520  
 ctttggtatg gtttacaagc tgctaattgc aagcagagaa agagccttga gaagagaaag 2580  
 agtaatttgt tttgactttc tctttttgtc ttttcttgg tttgaaattg gcttgggctt 2640  
 gctgtatcca tgggtccaaca gttggatgtt ttattaatct tttctttatc atgtgcacat 2700  
 gaagattctc agagtaactg aacaccttag tattgttttag gaccaatcta gacaatcttg 2760  
 accaaaaatc ttcatctca attctgcctc tcatttacct ttgtctgtgt ctaaagcaat 2820  
 aagccgggca gcattggagg gctatggagt gcagcttata ctgagactag cattcagggg 2880  
 caggaggaga gaattttggt aggatgatga ttaaacccta acaagcctaa ttaaatgaag 2940  
 atcacatgtg ccctcctccg gaagtcacac agcttagccc caaaccagat tatatatata 3000  
 ctgccaaatc ggaatgtctt ctagatgagc agggaacgaa ttctaccact gaagtcagct 3060  
 tttgtgtttt atgggggtatg taactaaacc ctgttgtttg tggcagaagt ctttgggtat 3120  
 tcccaatct catgatgact ggccttacag ggaaaacatt agcaaattgt gatgagaagt 3180  
 cccttgaaaa aaactcaagt gctatagaaa ttgttagcta cggaagtagc taacaatcat 3240  
 tacaaaatga aactttaaaa aaaaaccaag catgaaatgg ctcccattac agtctatcca 3300

atgaatggga	taaagcaaat	tagtggggat	gcagtagaaa	gctctggggc	attattatta	3360
ttcaattgca	atthttgcctc	aatgtccaaa	actaaagaaa	gcaagccaag	agtttttaac	3420
atactgtgat	ttacataagt	cgtttttcaa	agcttcactc	aaatgtcatc	tcttctctat	3480
gttctcgcca	ccaacttggg	tctcccagtc	tttagcagaa	tgactccctt	ctagtccttt	3540
ctgtagaggc	tatgtttacc	tgttgcattha	ttgcaaaatc	acctgtctcc	cctacttgga	3600
gcctgagatc	gcagaggaag	atctgatcac	agggtcattt	gaattccctaa	tgcccaagat	3660
aattttctggc	acatacctgg	aattcccttat	gcattttatt	acattgaaat	agaattaaaa	3720
ccagagaagt	taatttttaaa	ttaaaatcag	cgtagacagg	ccgggcatgg	tggctcacac	3780
ctgcaatccc	agcacttttg	gaggctgagg	tgggcagggtc	aagagatcga	gaccatcctg	3840
gccaacatgg	tgaaacccca	tctctactaa	aaatttataaa	attagctggg	tgtggtagt	3900
tgcacctgta	gtcccagcta	cttggaagc	tgaggcagga	gaatcgcttg	aacctgggaa	3960
gtggaggttg	cagtgaagccg	agatcacgcc	tctgcctggc	aacagagcaa	gactccatct	4020
caaaaaataa	ataaataaat	aaataaataa	ataaataaat	aaataaataa	atcagggtag	4080
acttctaata	atagagaaaa	ctttaaaact	tttaattgtga	gatttatagg	acattttgtgt	4140
ttctagtagt	accattaaat	ctctttccct	atatctgctt	atctttcaca	gatatgctat	4200
gactgtctgg	tactttgatg	ctgaagaaag	ggcagaagcc	aaaaagaaat	tcaggaaattt	4260
aactagtagt	tgtttgataa	ttttctgtga	cttttgatca	agttaatcct	tgacttttat	4320
tcaattttat	gtagttttta	acatgttctg	ttcaatctgt	tacggcttag	ctttatatat	4380
aatgacatct	tgatgggttt	tatcctgaaa	ccttggcctt	agggctctta	gaaaaatcag	4440
aaacaatgca	aggggcttcc	cctgagaatg	cccactgaat	gtatgatggt	ttatgataga	4500
tgggaaatgg	ttaaacttttt	cctattaatg	ttaaccagtc	aaatgtaaca	ttaaatttttg	4560
cccatgattt	ttggcatatt	gcaaaggaaa	tataatggag	cccagttatg	atggcaaaat	4620
ttattatatt	gggtgagact	gtgactctca	gtataacagc	agggctcatg	taatataaac	4680
tgaatataac	agcactactc	ctatcccttc	caaccagtat	tagaaggcag	catttcccaa	4740
aatacgttgc	attaaaacac	aaatcctgcc	aatttggtaa	attcctgggtc	ccaaaaatgt	4800
gggaaatgtt	gcatgctgta	tgctgtctt	aaaaagagtc	acattgctca	ctagcatatt	4860
aaattaaggc	gctaagagat	cctgcagtaa	ggaaacatat	ataatattgc	ctagcccata	4920
acccatttgg	actgtataacc	tctcaaatac	caaagtgggtc	tccaaattgc	accaggaaa	4980
tctcagtttg	ttttctcttc	cagatggcct	acactgccta	actctgatat	gtgagtggag	5040
ctacacttca	tacaacttat	gctcagact	agcccaagag	gtgccaatgc	tggtatgtaa	5100
cccaaagttc	ctccacagtc	tgtgagggat	atgggaaaga	tcccattgca	aagtcaagag	5160
agaatccctt	ggcagagctc	tattaggagg	cttatataag	atgggaagtg	tttactggag	5220
gcttttttgt	gacattttgt	acataaaaact	catcagagct	gactccatac	cctctttatt	5280
ccctttctgt	ccccaaacca	gggaaaactg	aatctgccct	cactgaagac	tgaccgtgct	5340
ctgaaatctg	ctggccttgt	tcatttttagt	aacggttcct	gaattctctt	aaattctttg	5400
agatccaaag	atggcctctt	cagtgaacaac	aatctccctg	ctacttcttg	catccttcac	5460
atccctgtct	tgtgtgtggg	acttcatggt	ttcttgccaa	gactgtgttg	atcttcagat	5520
actctctttg	ccagatgaag	ttatttgcta	actccagaaa	ttcctgcaga	catcctactc	5580
ggccagcggt	ttacctgata	gattcggtaa	tactatcaag	agaagagcct	aggagcacag	5640
cgagggaatg	aacctttactt	gcactttatg	tatacttcct	gatttgaaag	gaggagggtt	5700
gaaaagaaaa	aatggagggt	ggtagatgcc	acagagaggc	atcacggaag	ccttaacagc	5760
aggaaacaga	gaaattttgtg	tcacttgaac	aattttccaga	tgttcttaat	ccagggtggt	5820
tggggtttct	ggagaattat	cacaacctaa	tgacattaat	acctctagaa	agggctgctg	5880
tcatagttaa	caattttataa	gtgtcccatg	gggcagacac	tccttttttc	ccagtcctgc	5940
aacctggatt	ttctgectca	gctccatttt	gctgaaaata	atgactttct	gaataaagat	6000
ggcaacacaa	ttttttctcc	atthttcagtt	cttacctggg	aacctaatc	cccagaagct	6060
aaaaaactag	acattagtgt	ttttgggttg	tttgttgaa	tggaatttaa	atthaaatga	6120
aaggaaaaat	atatccctgg	tagttttgtg	tttaaccactg	ataactgtgg	aaagagctag	6180
gtctactgat	atacaataaa	catgtgtgca	tcttgaaaca	tttgagaggg	gagggtggagt	6240
tggaaatgtg	ggtgttctctg	tttttttttt	tttttttttt	tttttagttt	tcctttttta	6300
tgagctcacc	cttttaacaca	aaaaaagcag	ggtgatgtat	tttaaaaaag	gaagtggaaa	6360
taaaaaaatc	tcaaagctat	ttgagttctc	gtctgtocct	agcagtcctt	cttcagctca	6420
cttggtctct	tagatccact	gtggttggca	gtatgaccag	aatcatggaa	tttgctagaa	6480
ctgtggaagc	ttctactcct	gcagtaagca	cagatcgcac	tgctcaata	acttggtatt	6540
gagcacgtat	tttgcaaaaag	ctacttttcc	tagttttcag	tattactttc	atgtttttaa	6600
aatcccttta	atthcttctg	tgaaaatccc	atgaacatta	aagagccaga	aatattttcc	6660
tttgttatgt	acggatatat	atatatatag	tcttccaaga	tagaagttaa	ctttttcctc	6720
ttctggtttt	ggaaaatttc	cagataagac	atgtcaccat	taattctcaa	cgactgctct	6780
atthttgtgt	acggtaatat	ttatcacctt	ctaaattact	atgtaattta	ctcacttatt	6840
atgttttattg	tcttgtatcc	ttctcttgga	gtgtaagcac	aatgaagaca	ggaattttgt	6900
atatttttaa	ccaatgcaac	atactctcag	cacctaaaat	agtgccggga	acatagtaag	6960

ggctcagtaa atacttgttg aataaactca gtctcctaca ttagc

7005

<210> 9240  
<211> 3844  
<212> DNA  
<213> Homo sapiens

<400> 9240  
ggccaggcgg gtctcaaact cctcgtctca ggtgatctgc ttgectcggc ctcccaaagt 60  
gctgggatta caggcgtgag ccactgcgcc cagcctgagt ttcatttttt aagtcacata 120  
gcagtagtcc ttattttcagt gctagaccct ttgaaatgcg atgaaagcta tatggaccct 180  
tcgctttgtt atataacata tgcacacata ccagaatttt tgcacatatg ttcagagatt 240  
cctagacctg cagacctgcc tctgtgtgtc ccaattttaag aacctctgtt ctttcttcat 300  
gactggattt gcccaatttt gtgttatatt gggacttaat ttgtccctct ttgggacatt 360  
tccttattta ttgccctctt cagagagtag atgtagaaaa taaagagagg aaacctagat 420  
tacttaattt ttattttaac attttctata gatagcatat caccgcaagt gtgctctgtc 480  
ttgatccctt tctttctagc atctgccaga cattgtagag tttcgcaagc agttgtagg 540  
ttgagctgca gccagtcatt tcttttattc tttaaaagta catagatttg tctttttagg 600  
gctttactga aagtaaaata tcctgacatt taaactgaca gatgtaggag gtaaaaaata 660  
gagttctgaa acatttgaat ttatgtgaca gctgaagtca cgagatgagg gatgtatgtc 720  
ccctaggagg gatgcagaaa gaagaaaagg gtactggaaa cagcatgtca gtggtgccag 780  
ctgagggtcg gaggcagcca ggagagttgg gagcctgggt gctgggtgga gagagggtta 840  
caggggaagac atgggaagta ttgtgaaggc tgggtgtgagc aggggactac tccagccctg 900  
ttggaacata gagccatttg gcagattgac aatgcagtga cagctgtata taataaatgt 960  
gttgaaagga ggaagggtgag gattttcttg gtgggagttt atgctgttat ttaacatatt 1020  
ttgcttccaa aggggttaag atgttttacc taaatggagg tttctaggtc agtgctatac 1080  
aatatttcta atctgtgttt tatagtgtga gctacatatg taattttaaa attttcaagt 1140  
agccacataa taaaggaaac aggtgaaatt taatgacata tttcctttaa tacggtatat 1200  
ccaaaatatt attatgtcaa cctataatca gtataaaaac ctgttactga aatattttat 1260  
agggcccatc tcagttcaga ctagccacat ttaagtgtct catagccaca tgtggctcat 1320  
ggccatccat atttggacaa tgtactttag actattgcat ctgtatactc ttgtgccgtc 1380  
agctgggggg tgggtgtgtg gtgcgtgtat accaaggcag tgagcatctg agctttgaac 1440  
ctcaaagacc aaaatgccct gccatttttc ctgcttatca gctgaggaat ctttaccac 1500  
attgacacat gggcttgttc tgacccaagt gcatgcaggc ttccagagca gattcagagg 1560  
cctaacttag tccttttagct ttctcccag cacagaactc ccaaggttat ctgcaagtag 1620  
gccttgccca gagagactga gttttcaagt tgtcagtttt cccaaattgt cctcaagcat 1680  
cttcctctgg aatcacctta ctgttttaga aacattcaga ggacttgcta cacatctggg 1740  
cagtctgcat tgtaatcat atgtgtttac acatttgtgt cttcatctgc taaagcacct 1800  
ttgaaccata ttgtaattca taatatctga agcaattatt atgaattgta gtaattcata 1860  
atattgaagc gattcataat atctgaagca atcccagat acgggttagg catggccctg 1920  
ctctgagcag gatggcaaaa gtggcagtc gtgacgcagc ccttggtacc ccaggctatt 1980  
actaaatggt ggtggtggtt ttatcttaat taaaatgaca tcaccaacaa tgggcccctt 2040  
cctgtctgcc aggaaaagtt ttctgtagt acgcacgtgt tgtgtgtgta tgtgtgcgtt 2100  
tgaggctata ttactcattg ctacggcagt tcaaaatgac ttggaaaaaa acaatgaacg 2160  
ctggtcattg atatgtatac tgacatgttt aaggaagtt actgtggtct gtaacttatg 2220  
aaatacataa aaaatatgat ggggtgagtg acggacacat ggacagatat gaagcaagca 2280  
ctgtaaaata ttagtggtag ttttgtatgc ccatactcac ggcaccatta ttcacagtag 2340  
ctaagagatg gaagcaatat gtgcccatac gtgggtgaat gatcaacaaa atgtggtata 2400  
ttcatacagt ggaatattat tcagcctcta aaaggaagat acgctgacat gtgctgcaac 2460  
atggatgaat cttgaggaca tgatgctaag tgaagtaagc cagtcactgg aagacaaata 2520  
ctctatgctt ccatttatgt gaagtatcta gagcagtc aaatgaggagt tgtttaatgg gtatagtgtt 2640  
tggtagtgtc caaggactgg gggaggagga ttggtgtcac agttaagtta tgtgaatgct 2700  
tcagttttgc aagataaaaa gtcctgtgga ggttaagatg gtaaattcta tctttattt 2760  
gtatgccaac tcaactgtac actcctaaat atggtaaac ccaattccca ggatgtaaat cgggtactaa 2820  
accacagttt tttttaaagc gatataattt ggaaacacag ggataactaa ggtagatag 2880  
aaaaaagtgc tccaaagtaa gatataattt ttaaacaaat taatttacac tgggaatttt 2940  
gtgttcttta ttgcaggaat tctaagagca ttaaacaaat tacttcagag tcccaaagcc 3000  
cagtgtggag ggtctggctc atagcatttc acaaacatta tcttctagag aattctttca 3060  
tttaaataaa atgttaatgg tagaaactcc ttaaggggtg ttcactgtac aattctttca 3120  
acttttctgc atgctgggag ttttttgggt aacaacgtgt tggggaaaat ggccttgga

tatttcattc	aaattggagc	caagctaaca	caaagctggt	gctgctagt	ggaacagccc	3180
tgatgtccat	gtaacaagct	gccctcccca	actccctcct	tectgtttct	ccctcctcgg	3240
caccacttc	taggattaac	aggcagggag	acgggagagc	ccagctctgg	gtacagttgg	3300
gccacagcag	aaggagggcc	agggtagagg	tttgggcctt	ggctctgatg	cttgaacata	3360
aacacaccta	gtcagaagta	catcagtaca	aagtggggccc	tacaaaatta	taggggtcaga	3420
aaacaggtaa	gtggttacca	ggggctggga	atggggagag	gagtgactac	agagggacct	3480
agattcttca	acaaatacat	tacaagagga	aaaggggaagg	gaaggggaagc	ctgggagattg	3540
aaagatactt	gagacgtgtg	aatccagtg	aatgtgtgaa	ccttggttgc	ctcttgatct	3600
gaactagcca	atcaatcttg	taaaaatgtg	cttaagggac	aaagcaaatt	tgaactctgg	3660
ctggatattt	gatgatatta	aggaaacaac	atttaaacad	atgacagtg	ggctatgggt	3720
atgattgggt	ttgttttttt	tttctctaga	gactgggttt	tgcagtgtta	cctaagctgg	3780
tcttgaactc	ctgggctcaa	gcagttctcc	cacctcagcc	ttggtttaag	aaaaaaaaaa	3840
aaaa						3844

<210> 9241  
 <211> 3844  
 <212> DNA  
 <213> Homo sapiens

<400> 9241						
ggccaggcgg	gtctcaaact	cctcgtctca	ggtgatctgc	ttgcctcggc	ctcccaaagt	60
gctgggatta	caggcgtgag	ccactgcgcc	cagcctgagt	ttcatttttt	aagtcacata	120
gcagtagtcc	ttatttcagt	gctagaccct	ttgaaatgcg	atgaaagcta	tatggaccct	180
tcgctttgtt	atataacata	tgcacacata	cccagaattt	tgcacatatg	ttcagagatt	240
cctagacctg	cagacctgcc	tctgtgtgtc	ccaatttaag	aacctctgtt	ctttcttcat	300
gactggattt	gcccaatttt	gtgttatatt	gggacttaat	ttgtccctct	ttgggacatt	360
tccttatatta	ttgccctctt	cagagagtag	atgtagaaaa	taaagagagg	aaacctagat	420
tacttaattt	ttattttaac	attttctata	gatagcatat	cacgccaagt	gtgctctgtc	480
ttgatccctt	tttttctagc	atctgccaga	cattgtagag	tttcgcaagc	agttgtaggt	540
ttgagctgca	gccagtcatt	tcttttatct	tttaaaagta	catagatttg	tcttttttagg	600
gctttactga	aagtaaaata	tcctgacatt	taaactgaca	gatgtaggag	gtaaaaaata	660
gagttctgaa	acatttgaat	ttatgtgaca	gctgaagtca	cgagatgagg	gatgtatgtc	720
ccccaggggag	gatgcagaaa	gaagaaaagg	gtactggaaa	cagcatgtca	gtggtgccag	780
ctgagggctg	gaggcagcca	ggagagttgg	gagcctgggt	gctgggtgga	gagagggttaa	840
caggggaagac	atgggaagta	ttgtgaaggc	tggtgtgagc	aggggactac	tccagccctg	900
ttggaacata	gagccatttg	gcagattgac	aatgcagtga	cagctgtata	taataaatgt	960
gttgaaagga	ggaagggtgag	gattttcttg	gtgggagttt	atgctgttat	ttaacatatt	1020
ttgcttccaa	aggggttaag	atgttttacc	taaatggagg	tttctaggtc	agtgctatac	1080
aatatttcta	atctgtgttt	tatagtgtga	gctacatatg	taatttttaa	attttcaagt	1140
agccacataa	taaaggaaac	aggtgaaatt	taatgacata	tttcctttta	tacgggtatat	1200
ccaaaatatt	attatgtcaa	cctataatca	gtataaaaac	ctgttactga	aatattttat	1260
agggcccatc	tcagttcaga	ctagccacat	ttaagtgtct	catagccaca	tgtggctcat	1320
ggccatccat	atgtggacaa	tgtacttttag	actattgcat	ctgtatactc	ttgtgccgtc	1380
agctgggggg	tggggtgtgt	gtgcgtgtat	accaaggcag	tgagcatctg	agctttgaac	1440
ctcaaagacc	aaaatgccct	gcccattttc	ctgcttatca	gctgaggaat	ctttaccac	1500
attgacacat	gggcttgttc	tgaccacaag	gcatgcaggc	ttccagagca	gattcagagg	1560
cctaacttag	tccttttagct	ttcctcccag	cacagaactc	ccaaggttat	ctgcaagtag	1620
gccttgcccta	gagagactga	gttttcaagt	tgctagtttt	cccaaattgt	cctcaagcat	1680
cttctctctg	aatcacctta	ctgttttagta	aacattcaga	ggacttgcta	cacatctggg	1740
cagtctgcat	tgtaatccat	atgtgtttac	acatttgtgt	cttcatctgc	taaagcacct	1800
ttgaaccata	ttgtaattca	taatatctga	agcaattatt	atgaattgta	gtaattcata	1860
atattgaagc	gattcataat	atctgaagca	atcccagat	acgggttagg	catggccctg	1920
ctctgagcag	gatggcaaaa	gtggcagtc	gtgacgcagc	ccttgttacc	ccaggctatt	1980
actaaatgg	ggtggtgggt	ttatcttaat	taaaatgaca	tcaccaacaa	tgggcccttt	2040
cctgtctgcc	aggaaaagtt	ttctgtagt	acgcagctgt	tgtgtgtgta	tgtgtgcgtt	2100
tgaggctata	ttactcattg	ctacggcagt	tcaaaatgac	ttggaaaaaa	acaatgaacg	2160
ctggtcattg	atatgtatac	tgacatgttt	aaggggaagtt	actgtggtct	gtaacttatg	2220
aaatacataa	aaaatatgat	gggtggagtg	acggacacat	ggacagatat	gaagcaagca	2280
ctgtaaaata	ttagtggtag	ttttgtatgc	ccatactcac	ggcaccatta	ttcacagtag	2340
ctaagagatg	gaagcaatat	gtgcccacat	gtgggtgaat	gatcaacaaa	atgtggtata	2400



ttcatcacagt	ggaatattat	tcagcctcta	aaaggaagat	acgctgacat	gtgctgcaac	2460
atggatgaat	cttgaggaca	tgatgctaag	tgaagtaagc	cagtcactgg	aagacaaata	2520
ctctatgctt	ccattttatgt	gaagtatcta	gagcagtgcaa	atgcatagaa	acaagtagaa	2580
tggtagttgc	caaggactgg	gggaggagga	aatgaggagt	tgtttaatgg	gtatagtgtt	2640
tcagttttgc	aagataaaaa	gtcctgtgga	ttggttgac	agttaagtta	tgtgaatgct	2700
gtatgccaac	tcaactgtac	actctaaaat	ggttaagatg	gtaaatctta	tctttatttt	2760
accacagttt	tttttaaagc	atggtaaaca	ccatttccca	ggatgtaaat	cggtagctaaa	2820
aaaaaagtgc	tccaaagtaa	gatataattg	ggaaacacag	ggataactaa	ggtagatag	2880
gtgttcttta	ttgcaggaat	tctaagagca	tttaacaaat	taattttacac	tgggaatttt	2940
cagtgtggag	ggtctggctc	atagcatttc	acaaacatta	tacttcagag	tcccaaagcc	3000
tttaataaaa	atgttaatgg	tagaaactcc	ttaaggggtg	tctactgtac	aattctttca	3060
acttttctgc	atgctgggag	tttttttggg	aacaacgtgt	tggggaaaat	ggccttgga	3120
tatttcatct	aaattggagc	caagctaaca	caaagctgtt	gctgctagt	ggaacagccc	3180
tgatgtccat	gtaacaagct	gccctcccca	actccctcct	tcctgtttct	ccctcctcgg	3240
caccacttcc	taggattaac	aggcagggag	acgggagagc	ccagctctgg	gtacagtgtg	3300
gccacagcag	aaggagggcc	agggtagagg	tttgggcctt	ggctctgatg	cttgaacata	3360
aacacaccta	gtcagaagta	catcagtaca	aagtgggccc	tacaaaatta	tagggtcaga	3420
aaacaggtaa	gtgggtacca	ggggctggga	atggggagag	gagtgcactac	agagggacct	3480
agattcttca	acaaatacat	tacaagagga	aaaggggaagg	gaaggggaagc	ctggagattg	3540
aaagatactt	gagacgtgtg	aatccagtgc	aatgtgtgaa	ccttgtttgc	ctcttgatct	3600
gaactagcca	atcaatcttg	taaaaatgtg	cttaagggac	aaagcaaatt	tgaactctgg	3660
ctggatattt	gatgatatta	aggaaacaac	atttaaacat	atgacagtgg	ggctatgggt	3720
atgattgggt	ttgttttttt	tttctctaga	gactgggttt	tgcagtgtta	cctaagctgg	3780
tcttgaactc	ctgggctcaa	gcagttctcc	cacctcagcc	ttggtttaag	aaaaaaaaaa	3840
aaaa						3844

<210> 9242  
 <211> 3854  
 <212> DNA  
 <213> Homo sapiens

<400> 9242						
ggccaggcgg	gtctcaaact	cctcgtctca	ggtgatctgc	ttgcctcggc	ctcccaaagt	60
gctgggatta	caggcgtgag	ccactgcgcc	cagcctgagt	ttcatttttt	aagtcacata	120
gcagtagtcc	ttattttcagt	gctagaccct	ttgaaatgcg	atgaaagcta	tatggaccct	180
tcgcttttgt	atataacata	tgcacacata	cccagaattt	tgacatatg	ttcagagatt	240
cctagacctg	cagacctgcc	tctgtgtgtc	ccaatttaag	aacctctgtt	ctttcttcat	300
gactggattt	gccaattttt	tggttatttt	gggacttaat	ttgtccctct	ttgggacatt	360
tccttatttta	ttgcctctct	cagagagtag	atgtagaaaa	taaagagagg	aaacctagat	420
tacttaattt	tatttttaaca	ttttctatag	atagcatacc	acgccaagtg	tgctctgtct	480
tgatccccct	ctttctagca	tctgccagac	attgtagagt	ttcgcaagca	gttgtagggt	540
tgagctgcag	ccagtcattt	cttttattct	ttaaaagtac	atagatttgt	ctttttaggg	600
ctttactgaa	agtaaaatat	cctgacattt	aaactgacag	atgtaggagg	taaaaaatag	660
agttctgaaa	catttgaaat	tatgtgacag	ctgaagtcac	gagatgaggg	atatatgtcc	720
cccaggggag	atgcagaaa	aagaaaaggg	tactggaac	agcatgtcag	tggtgccagc	780
tgagggctgg	aggcagccag	gagagttggg	agcctgggtg	ctgggtggag	agaggttaac	840
aggaagaca	tggaagtat	tgtgaaggct	ggtgtgagca	ggcgactact	ccagccctgt	900
tggaacatag	agccatttgg	cagattgaca	atgcagtgc	agctgtatat	aataaatgtg	960
ttgaaaggag	gaaggtgagg	attttcttgg	tgggagttaa	tgctgttatt	taacatatatt	1020
tgcttccaaa	gggtttaa	tgttttacct	aatggagggt	ttctagggtca	gtgctatata	1080
atattttctaa	tctgtgtttt	atagtgtgag	ctacatatgt	aatttttaaaa	ttttcaagta	1140
gccacataat	aaaggaaaca	ggtgaaattt	aatgacatat	ttcctttaat	acggtatatc	1200
caaaatatta	ttatgtcaac	ctataatcag	tataaaaacc	tgttactgaa	atattttata	1260
gggcccctct	cagttcagac	tagccacatt	taagtgtctc	atagccacat	gtggctcatg	1320
gccatccata	tttgacaat	gtacttttaga	ctattgcac	tgtatactct	tgtgccgtca	1380
gctggggggg	gggtgtgtg	tgcgtgtata	ccaaggcagt	gagcatctga	gctttgaacc	1440
tcaaagacca	aaatgccctg	cccattttcc	tgcttatcag	ctgaggaatc	tttaccacaca	1500
ttgacacatg	ggcttgttct	gacccaagt	catgcaggct	tccagagcag	attcagaggc	1560
ctaacttagt	ccttttagctt	tcctcccagc	acagaactcc	caaggttatc	tgcaagtagg	1620
ccttgcctag	agagactgag	ttttcaagtt	gtcagttttc	ccaaattgtc	ctcaagcatc	1680



tctctctgga	atcaccttac	tgttttagtaa	acattcagag	gacttgctac	acatctgggc	1740
agtctgcatt	gtaattcata	tgtgttttaca	catttgctgc	ttcatctgct	aaagcacctt	1800
tgaaccatat	tgtaattcat	aatatctgaa	gcaattatta	tgaattgtag	taattcataa	1860
tattgaagcg	attcataata	tctgaagcaa	tccccagata	cgggttaggc	atggccctgc	1920
tctgagcagg	atggcaaaag	tggcagtcgg	tgacgcagcc	cttgttaccc	caggctatta	1980
ctaaatgggtg	gtgggtggttt	tatcttaatt	aaaatgacat	caccaacaat	gggcccctttc	2040
ctgtctgcca	ggaaaagttt	tctgtagtga	cgcacgtgtt	gtgtgtgtat	gtgtgcggtt	2100
gaggctatat	tactcattgc	tacggcagtt	caaaatgact	tggaaaaaaa	caatgaacgc	2160
tggtcattga	tatgtatact	gacatgtttg	aggggaagtta	ctgtgggtctg	taacttatga	2220
aatacataaa	aaatatgatg	ggtggagtga	cggacacatg	gacagatatg	aagcaagcac	2280
tgtaaaatat	tagtggtagt	ttttgtatgc	ccatactcac	ggcaccatta	ttcacagtag	2340
ctaagagatg	gaagcaatat	gtgcccacat	gtgggtgaat	gatcaacaaa	atgtgggtata	2400
ttcatacagt	ggaatattat	tcagcctcta	aaaggaagat	acgctgacat	gtgctgcaac	2460
atggatgaat	cttgaggaca	tgatgctaag	tgaagtaagc	cagtcactgg	aagacaaata	2520
ctctatgctt	ccatttatgt	gaagtatcta	gagcagtcac	atgcatagaa	acaagtagaa	2580
tggtagttgc	caaggactgg	gggaggagga	aatgaggagt	tgtttaatgg	gtatagtgtt	2640
tcagttttgc	aagataaaaa	gtcctgtgga	ttggttgac	agttaagtta	tgtgaatgct	2700
gtatgccaac	tcaactgtac	actctaaaat	ggttaagatg	gtaaatctta	tctttatttt	2760
accacagttt	tttttaaagc	atggtaaaca	ccatttccca	ggatgtaaat	cggtagctaaa	2820
aaaaaagtgc	tccaaagtaa	gatatatttg	ggaaacacag	ggataactaa	ggtagatag	2880
gtgttcttta	ttgcaggaat	tctaagagca	tttaacaaat	taatttacac	tgggaatttt	2940
cagtgctggag	gggtctggctc	atagcatttc	acaaacatta	tacttcagag	tcccaaagcc	3000
tttaataaaa	atgttaaatg	tagaaactcc	tttaaggggtg	ttcactgtac	aattctttca	3060
acttttctgc	atgctgggag	tttttttggg	aacaacgtgt	tggggaaaat	ggccttgga	3120
tatttcattc	aaattggagc	caagctaaca	caaagctgtt	gctgctagt	ggaacagccc	3180
tgatgtccat	gtaacaagct	gccctcccca	actccctcct	tctgtttct	ccctcctcgg	3240
caccacactt	taggattaac	aggcagggag	acgggagagc	ccagctctgg	gtacagttgg	3300
gccacagcag	aaggaggggc	agggtagagg	tttgggcctt	ggctctgatg	cttgaacata	3360
aacacaccta	gtcagaagta	catcagtaca	aagtgggccc	tacaaaatta	taggggtcaga	3420
aaacaggtaa	gtggttacca	ggggctggga	atggggagag	gagtgcactac	agagggacct	3480
agattcttca	acaaatacat	tacaagagga	aaaggggaag	gaaggggaagc	ctgggagattg	3540
aaagatactt	gagacgtgtg	aatccagtgc	aatgtatgaa	ccttgtttgc	ctcttgatct	3600
gaactagcca	atcaatcttg	taaaaatgtg	cttaagggac	aaagcaaatt	tgaactctgg	3660
ctggatattt	gatgatatta	aggaaacaac	atttaaacad	atgacagtgg	ggctatgggt	3720
atgattgggt	ttgttttttt	tttctctaga	gactgggttt	tgcagtgtta	cctaagctgg	3780
tcttgaactc	ctggggtcaa	gcagttctcc	cacctcagcc	ctgggttttag	aaaaaaaaaa	3840
aaaaagttct	cttg					3854

<210> 9243  
 <211> 4787  
 <212> DNA  
 <213> Homo sapiens

<400> 9243						
gaatgtaatg	atgcattttt	taaaataacca	gagcaaatac	tttgttttat	ctttgccgat	60
gaaactgtag	tacatggcta	gaaaccttgc	aaagagaagg	ctttacagt	tgtgatctgt	120
ctgtattagg	tgggtgtctg	gggtgagtgt	gactccactg	atgactgtat	tgagcacac	180
attggcccc	gtcctcagt	cctggacgtg	gggtgggctg	tgacagctgt	cagcgtctgc	240
ccagtgtctc	acccttctca	acggctcagtc	tctgtgtggg	gcttagtttt	aagaggacca	300
cttggtttct	taatatgtag	ccctcatgtc	atttcatttg	tgaattctcc	tagcctctga	360
gttactgtct	tttttttctt	tttttttttt	tgttttgaga	tggagtctca	ctctgtcacc	420
caggctggaa	tgcagtggcg	tgatctctgc	tcactgcaac	ctctgccttc	tgagttaag	480
cgattctcct	gcctcagcct	cccaagtagg	tgggattaca	ggcatgcgcc	gtcacgcctg	540
gctccttttt	ttatattttt	aatagagatg	gggtttccac	atgttggtca	ggcaggtcct	600
aatctcctga	cctcaagtga	tccatctgce	tcgtcctccc	aaagtgcctg	gattacaggc	660
gtatgccacc	gtgcctggcc	tgagttaact	tcttttgcaa	aatgcttatg	tttctcataa	720
taatttttaa	attgatagaa	cctaattgatt	cagaatgtaa	aatacagggt	aggaatgggg	780
ctcaaagatt	cttacttcac	caaactctagg	actataatac	tttctctgta	acaagcatct	840
tcagtggaa	aagggtccct	acagccagct	ggggaaacac	tggctcgtgg	gccttgccag	900
cagaggacac	agataaatct	gtgtgcagcc	cctgtaaaga	ggaggctcct	tgaggacaca	960

ggagagcagt	gcagcatgtc	ctgggctgat	gcctgcagag	tcttttghtaa	ggcagggaca	1020
gttggggacac	tgtgaagaac	tacttttagag	caatgacgaa	gataacaatt	tcatgctaag	1080
ttaatcactg	ttgtccccct	cccttaaaaa	gactacgtg	gttgcagtag	gattggagtg	1140
tggaaagatt	tgcttatata	cctggaaaaa	gactgatcaa	gttccagaaa	taaatgactg	1200
gaccactgt	gtagaaacaa	gtcaaaggta	tttctttcct	atthttgttt	ccatcagatt	1260
aactagaaat	tgtgggggtct	ttcatggcaa	atthttatgcc	acatthttcat	ggagagggac	1320
atatactctgt	attcgtcgtg	tctaccactt	tgthttgtgg	taatctgaaa	ttgatacatg	1380
tggtaatctg	aaattgatat	attgcacttg	atthtttaaaa	gtttgtctga	ccaaattgct	1440
tgcatgcata	atattatthtt	tataaacaac	cattttgagat	gaaagtgtt	tccataatgg	1500
tgtgtttag	aatttgacta	cagtagattc	ttaatthtgat	tcaaaatgtt	tgtgattthtt	1560
aaaaatattc	tggattgcac	tttggtagtc	gtatccttat	gattgagccc	tttacctcaa	1620
aagatcctat	agtggagctt	tcaggcatag	caaggctcat	gccctgggcc	tcatgcattt	1680
gccacctgag	ctggcataga	gcacctgtg	tttacaacct	cctccccatc	ccacccacct	1740
agacagttag	gatcactthtt	aatctaccct	tttacagggt	ttattctthtt	tgtgtgtgtg	1800
tgagacaggg	tctcactctg	tcacctaggg	tagagtgcag	tggcaagatc	ccagctcact	1860
gcaacctccg	cctcccaggc	tcaatcagtc	ttcctacctc	agcctcccaa	atagctggga	1920
ctacagacac	gcaccaccat	gccaggctaa	ttthttttgt	atthtttagta	gagacggggt	1980
ttcattgtgt	tggccaggct	ggtctccata	tcctgggctc	aagcaatcct	cctgtcttgg	2040
cctcccaaag	tgctggagtt	acaggcatgg	gccactgtgc	ctggcccaca	ttttattctt	2100
taaaaatgcc	taaatgtggc	tgggtgtgtt	ggctcatggt	ctctaccagt	gagaccctg	2160
gtctctacca	aaaaataaag	aaattagcca	ggtgtgagtg	tgcatgactg	tgggtcccag	2220
ctctttggga	gggtgaagtg	ggaggatcac	ttgagcccag	gaggttgagg	ctgcagcaag	2280
ccataatcac	accattgcac	tccagcctgg	gtgagtgaga	gcctgtcccc	cccaaaaaag	2340
tataaacatt	cagaaagcta	ctaatatcat	tctgtgttat	atthttcttag	gctthtttcaa	2400
ccttcgtata	tctgtactgt	tgaataata	atthtcaaata	gcaatthcaa	atgacaatat	2460
gatgaggggtg	agtgtctaat	ggagagagat	ttgtgagcaa	tgtcttaaga	tatttcatcc	2520
agcagatctt	gtctccatgt	cagccaagca	tgthtagtgct	cattataatt	atatttatta	2580
aaatgagata	ttgccatgcc	cccatggctt	ctctcctgcc	tctctgggct	gggttttagca	2640
gttgaactag	tttgtgtctg	tggcttgcgt	aagagggaag	aagtctgttg	aaattccatg	2700
cttcaggcat	ttgaaatthtt	ctctcttctt	gggcaccctt	tccttccact	ttgcctgcc	2760
acagtgtctc	cttcacctct	aacctgggtg	gaagacctct	tcaatggcca	ccatgtggga	2820
cactgtgtgg	aagccccctt	gaaagtgcag	gaagggaaca	cgtatagaat	ttgagthttt	2880
tgtctgaagg	ggthgtthtt	ttctttggtc	attatggtga	cttaggattt	gcaagatgga	2940
actaatgcgt	gacttaacat	atattattht	gattgtctaat	atthtcagtt	ccacgttcca	3000
agtacctttc	aaatgaaagc	ttttgtcagt	aataagattt	acagaggtaa	tataagcaaa	3060
cactaccctt	taggttgggt	tgccaaaact	cctatcttct	taaatatgac	atgttaatat	3120
tctggattta	aaggacatta	ccaaaaaaaag	aaaccacta	tctcaaagct	tacatagcca	3180
aacaagtatg	ttcctcaaag	tagctccctt	ggaaagagtt	ataccacata	tgthttattc	3240
cgtgatthta	ctacttcaaa	tccttcttht	aatgaaatga	gataactcta	atccataata	3300
attgagattc	cagtgaagtt	gctatcactt	aaaatgttct	tggaaacttct	ctgtaggaat	3360
tgtgttcaga	actagcttac	taatgatgca	agaaaaacaaa	ttataatgcc	ttttataata	3420
ttacctgttt	caatcatttc	ctctthttta	agcttgccat	tcataatctat	taagcttgcc	3480
atthtatatt	attataaagc	ttacttccag	gtgctthtcaa	cagtcagatt	catcctcaaa	3540
ggaacatgag	ctatcactga	gagtactcaa	atcatagtct	gcataaatat	gaagcatttt	3600
ctctagaata	atthtcagaaa	acagttgagg	cacagcagtc	agagtgacta	tttghtaagg	3660
cacgcagtca	tcttgttgca	taggttcagg	aggactgatt	tttaaaatgg	gtttcgtgac	3720
ttcattcttc	cctthttaatc	atgagaatgc	atctgggtgac	agggactgtc	agcaaatgaa	3780
agtgtaatgt	gtgtgctctg	gtattgttht	cagtgtthtat	tgccctaaaa	cctacttagg	3840
ttthttcact	tattccttht	tggthttggga	agctaatttg	caggthtaaat	ttatagaaga	3900
tgttgtattt	tcatagagat	ttattcctaa	catacgttgg	taacactctg	ggtctgcctt	3960
tttaaggggc	tggggaggta	gggggttagg	agcatttaata	cgatggctct	gccaagggtc	4020
acgcagtttag	aggtcacact	ggagaccaag	actctthtcat	tgtgcagtag	attaaatctg	4080
tcattgtctt	tctthtacc	gtagtaaaaa	tgcaattcca	tccacctcac	agggatgtca	4140
aaatagtaaa	ataatctaga	atataattgt	aagthtaaaat	tgthtataaat	ttagtaatgt	4200
tatctaaaaag	actaaacttga	atatccattt	catgaaattc	cattgatcat	taaaaaca	4260
ttcattthaa	aaaattthtat	ttthttgtth	ttthttaaaca	acattthgaca	gagattcatt	4320
gtctgtgtct	tgctcattht	ggtgatgtta	ttgccagtga	gtaagattaa	aaatttagtct	4380
tgcgagthtt	agtaaatata	gtaaaaatatt	ttccagggtta	aaataaaatg	gctaaaaatgt	4440
taatgatgcg	atthttaaaac	ctgtacattt	caattthtcag	gtthtttaact	ccatttcatgt	4500
ttacaccatt	aattggaaaa	acattthcat	atthtctctat	ctthttgttht	gccaagtca	4560
tacactggct	atcagaaaaat	tatgctggaa	gaattgcagt	ggaaaaactg	aacagaagga	4620

1. Demographic Data	
Variable	Value
Age (Mean)	35.2
Gender (Male/Female)	15/15
Education (High School/College/Postgraduate)	5/10/5
Occupation (Student/Professional/Other)	10/5/5
Marital Status (Single/Married/Divorced)	10/5/5
Religion (Muslim/Christian/Other)	10/5/5
Income (Low/Medium/High)	5/10/5
Health Status (Healthy/Chronic Disease/Other)	10/5/5
Smoking Status (Smoker/Non-Smoker)	5/10
Alcohol Consumption (Regular/Occasional/None)	5/10/5
Exercise Frequency (Daily/Weekly/Monthly/None)	5/10/5/5
Stress Level (Low/Medium/High)	5/10/5
Family Size (Small/Medium/Large)	5/10/5
Urban/Rural Residence	10/10
Employment Status (Employed/Unemployed/Retired)	10/5/5
Travel Frequency (Frequent/Occasional/Rarely/None)	5/10/5/5
Language (Indonesian/English/Other)	10/5/5
Political Affiliation (None/Various)	10/10
Volunteer Work (Yes/No)	10/10
Artistic Interest (High/Low/None)	5/10/5
Reading Habits (Frequent/Occasional/None)	5/10/5
Music Preference (Pop/Rock/Classical/Other)	5/10/5/5
Gardening Interest (Yes/No)	10/10
Collecting Hobbies (Yes/No)	10/10
Video Gaming (Frequent/Occasional/None)	5/10/5
Social Media Usage (Daily/Weekly/None)	5/10/5
Charitable Giving (Yes/No)	10/10
Environmental Awareness (High/Low/None)	5/10/5
Religious Practice (Regular/Occasional/None)	5/10/5
Philosophical Interest (Yes/No)	10/10
Historical Knowledge (Good/Better/Average/Poor)	5/10/5/5
Science Interest (Yes/No)	10/10
Technology Usage (Frequent/Occasional/None)	5/10/5
Language Learning (Yes/No)	10/10
Traveling Interest (Yes/No)	10/10
Volunteering (Yes/No)	10/10
Artistic Skills (Good/Better/Average/Poor)	5/10/5/5
Reading Habits (Frequent/Occasional/None)	5/10/5
Music Preference (Pop/Rock/Classical/Other)	5/10/5/5
Gardening Interest (Yes/No)	10/10
Collecting Hobbies (Yes/No)	10/10
Video Gaming (Frequent/Occasional/None)	5/10/5
Social Media Usage (Daily/Weekly/None)	5/10/5
Charitable Giving (Yes/No)	10/10
Environmental Awareness (High/Low/None)	5/10/5
Religious Practice (Regular/Occasional/None)	5/10/5
Philosophical Interest (Yes/No)	10/10
Historical Knowledge (Good/Better/Average/Poor)	5/10/5/5
Science Interest (Yes/No)	10/10
Technology Usage (Frequent/Occasional/None)	5/10/5
Language Learning (Yes/No)	10/10
Traveling Interest (Yes/No)	10/10
Volunteering (Yes/No)	10/10
Artistic Skills (Good/Better/Average/Poor)	5/10/5/5
Reading Habits (Frequent/Occasional/None)	5/10/5
Music Preference (Pop/Rock/Classical/Other)	5/10/5/5
Gardening Interest (Yes/No)	10/10
Collecting Hobbies (Yes/No)	10/10
Video Gaming (Frequent/Occasional/None)	5/10/5
Social Media Usage (Daily/Weekly/None)	5/10/5
Charitable Giving (Yes/No)	10/10
Environmental Awareness (High/Low/None)	5/10/5
Religious Practice (Regular/Occasional/None)	5/10/5
Philosophical Interest (Yes/No)	10/10
Historical Knowledge (Good/Better/Average/Poor)	5/10/5/5
Science Interest (Yes/No)	10/10
Technology Usage (Frequent/Occasional/None)	5/10/5
Language Learning (Yes/No)	10/10
Traveling Interest (Yes/No)	10/10
Volunteering (Yes/No)	10/10
Artistic Skills (Good/Better/Average/Poor)	5/10/5/5
Reading Habits (Frequent/Occasional/None)	5/10/5
Music Preference (Pop/Rock/Classical/Other)	5/10/5/5
Gardening Interest (Yes/No)	10/10
Collecting Hobbies (Yes/No)	10/10
Video Gaming (Frequent/Occasional/None)	5/10/5
Social Media Usage (Daily/Weekly/None)	5/10/5
Charitable Giving (Yes/No)	10/10
Environmental Awareness (High/Low/None)	5/10/5
Religious Practice (Regular/Occasional/None)	5/10/5
Philosophical Interest (Yes/No)	10/10
Historical Knowledge (Good/Better/Average/Poor)	5/10/5/5
Science Interest (Yes/No)	10/10
Technology Usage (Frequent/Occasional/None)	5/10/5
Language Learning (Yes/No)	10/10
Traveling Interest (Yes/No)	10/10
Volunteering (Yes/No)	10/10
Artistic Skills (Good/Better/Average/Poor)	5/10/5/5
Reading Habits (Frequent/Occasional/None)	5/10/5
Music Preference (Pop/Rock/Classical/Other)	5/10/5/5
Gardening Interest (Yes/No)	10/10
Collecting Hobbies (Yes/No)	10/10
Video Gaming (Frequent/Occasional/None)	5/10/5
Social Media Usage (Daily/Weekly/None)	5/10/5
Charitable Giving (Yes/No)	10/10
Environmental Awareness (High/Low/None)	5/10/5
Religious Practice (Regular/Occasional/None)	5/10/5
Philosophical Interest (Yes/No)	10/10
Historical Knowledge (Good/Better/Average/Poor)	5/10/5/5
Science Interest (Yes/No)	10/10
Technology Usage (Frequent/Occasional/None)	5/10/5
Language Learning (Yes/No)	10/10
Traveling Interest (Yes/No)	10/10
Volunteering (Yes/No)	10/10
Artistic Skills (Good/Better/Average/Poor)	5/10/5/5
Reading Habits (Frequent/Occasional/None)	5/10/5
Music Preference (Pop/Rock/Classical/Other)	5/10/5/5
Gardening Interest (Yes/No)	10/10
Collecting Hobbies (Yes/No)	10/10
Video Gaming (Frequent/Occasional/None)	5/10/5
Social Media Usage (Daily/Weekly/None)	5/10/5
Charitable Giving (Yes/No)	10/10
Environmental Awareness (High/Low/None)	5/10/5
Religious Practice (Regular/Occasional/None)	5/10/5
Philosophical Interest (Yes/No)	10/10
Historical Knowledge (Good/Better/Average/Poor)	5/10/5/5
Science Interest (Yes/No)	10/10
Technology Usage (Frequent/Occasional/None)	5/10/5
Language Learning (Yes/No)	10/10
Traveling Interest (Yes/No)	10/10
Volunteering (Yes/No)	1

```
<400> 9244
tgtaatccca gcaatttggg aggctgaggc aggtggatca cttgaggcca ggagttcgag    60
accagcctgg ccaacatggt gaaaccccat ctctacta                               98
```

```
<400> 9245
tgtaatccca gcaatttggg aggctgaggc aggtggatca cttgaggta ggagttcgag    60
accagcctgg ccaacatggg gaaaccccat ctctacta                               98
```

<400>	9246						
gaatgtaatg	atgcattttt	taaaataacca	gagcaaatac	tttgttttat	ctttgccgat		60
gaaactgtag	tacatggcta	gaaaccttgc	aaagagaagg	ctttacagtg	tgtgatctgt		120
ctgtattagg	tggttgtctg	gggtgagtg	gactccactg	atgactgtat	tgagcacaac		180
attggccctt	gctcctcagt	cctggacgtg	gggtggggctg	tgacagctgt	cagcgtctgc		240
ccagtgcttc	acctcttcta	acggtcagtc	tctgtgtggg	gcttagtttt	aagaggacca		300
cttggtttct	taatatgtag	ccctcatgtc	atcttcatttg	tgaattctcc	tagcctctga		360
gttactgtct	tttttttctt	tttttttttt	gttttgagat	ggagtctcac	tctgtcaccc		420
aggctggaat	gcagtggcgt	gatctctgct	cactgcaacc	tctgccttct	gagttaaagc		480
gatttctctg	cctcagcctc	ccaagtaggt	gggattacag	gcattgcgccg	tcacgcctgg		540
ctcctttttt	tatatattta	atagagatgg	ggtttcacca	tgttggtcag	gcaggtctta		600
atctcctgac	ctcaagtgat	ccatctgcct	cgctctccca	aagtgctggg	attacaggcg		660
tatgccaccg	tgcttggcct	gagttactgt	cttttgcaaa	atgcttatgt	ttctcataat		720
aatttttaaa	ttgatagaac	ctaattgattc	agaatgtaaa	atacaggtta	ggaatggggc		780
tcaaagattc	tctacttcacc	aaatctagga	ctataatact	ttctctgtaa	caagcatctt		840
cagtggaaaca	aggggtcccta	cagccagctg	gggaaacact	ggctcgtggg	ccttgccagc		900
agaggacaca	gataaatctg	tgtgcagccc	ctgtaaagag	gaggctcctt	gaggacacag		960
gagagcagtg	cagcatgtcc	tgggctgatg	cctgcagagt	cttttgtaag	gcagggacag		1020
ttgggacact	gtgaagaact	acttttagagc	aatgacgaag	ataacaattt	catgctaagt		1080
taatcactgt	tgtccccctc	ccttaaaaac	agatactggt	ttgcagtagg	attggagtgt		1140
ggaaagattt	gcttatatac	ctggaaaaag	actgatcaag	ttccagaaat	aaatgactgg		1200
accactgtg	tagaanaacg	tcaaaggatat	ttctttccta	tttctgtttc	catcagatta		1260
actagaaatt	gtggggctct	tcattggcaa	ttttatgcc	cattttcatg	gagagggaca		1320
tatatctgta	ttcgtcgtgt	ctaccacttt	gttttgtggt	aatctgaaat	tgatacatgt		1380
ggtaatctga	aattgatata	ttgcacttga	tttttaaaag	tttgcttgac	caaattgctt		1440
gcattgcataa	tattattttt	ataaacaacc	atcttgagatg	aaagtgattt	ccataatggt		1500
gtgttgtaga	atctgactac	agtagattct	taatttgatt	caaaatgttt	gtgattttta		1560
aaaatattct	ggattgcact	ttggtagtcg	tatccttatg	atctgagcct	ttacgtcaaa		1620
agatcctata	gtggagcttt	caggcatagc	aaggctcatg	ccctgggcct	catgcatttg		1680
ccactgagc	tggcatagag	cacctgtgtg	ttacaacctc	ctccccatcc	caccaccta		1740
gcagtagggg	atcactttta	atctaccctt	ttacagggtt	tattcttttt	gtgtgtgtgt		1800

gagacaggg	ctcactctgt	cacctaggct	agagtgcagt	ggcaagatcc	cagctcactg	1860
caacctccgc	ctcccaggct	caatcagtt	tcctacctca	gcctcccaaa	tagctgggac	1920
tacagacacg	caccaccatg	ccaggcta	tttttttgta	tttttagtag	agacgggggt	1980
tcatttgtgt	ggccaggctg	gtctccatat	cctgggctca	agcaatcctc	ctgtcttggc	2040
ctcccaaagt	gctggagtta	caggcatggg	ccactgtgcc	tggccacat	tttattcttt	2100
aaaaatgcct	aaatgtggct	gggtgtgttg	gctcatggtc	tctaccagtg	agacccctgg	2160
tctctaccaa	aaataaaaga	aattagccag	gtgtgatggg	gcatgactgt	gggtcccagc	2220
tacttggggag	gggtgaagtgg	gaggatcact	tgagcccagc	agggtgaggc	tgcagcaagc	2280
cataatcaca	ccattgcact	ccagcctggg	tgagtgagag	cctgtccccc	ccaaaaaagt	2340
ataaacattc	agaaagctac	taatactatt	ctgtgttata	ttttcttagg	cttttcaaac	2400
cttcgtatat	ctgtactgtt	gaaaatacaa	tttcaaatag	caatttcaaa	tgacaatatg	2460
atgaggggtga	gtgcttaatg	gagagagatt	tgtgagcaat	gtcttaagat	atttcatcca	2520
gcagatcttg	tctccatgtc	agccaagcat	gttagtgctc	attataatta	tatttattaa	2580
aatgagatat	tgccatggcc	ccatggcttc	tctcctgcct	ctctgggctg	ggtttagcag	2640
ttgaactagt	ttgtgctgtt	ggcttgctga	agagggaaga	agtctgttga	aattccatgc	2700
ttcaggcatt	tgaaattttc	tctcttcctg	ggcacccttt	ccttccactt	tgcttgccca	2760
cagtgtctcc	ttcacctcta	acctgggtgtg	aagacctctt	caatggccac	catgtgggac	2820
actgggtggga	agcccccttag	aaagtgcagg	aagggaacac	gtatagaatt	tgagtttttt	2880
gtctgaaggg	gttgctttttt	tctttgggtca	ttaggtgtgac	ttaggatttg	caagatggaa	2940
ctaattcgctg	acttaacata	tattattttg	attgctaata	tttcagttac	cagctgccaa	3000
gtacctttca	aatgaaagct	tttgctagta	ataagattta	cagaggtaat	ataagcaaac	3060
actacccttt	aggttggttt	gccaaactcc	ctatcttctt	aaatatgaca	tgtaatat	3120
ctggattttaa	aggacattac	caaaaaaaga	aaccactat	ctcaaagctt	acatagccaa	3180
acaagtatgt	tctcaaagt	agctcccttg	gaaagagtta	taccacatat	gtttatttcc	3240
gtgatttcac	tacttcaaat	ccttctttta	atgaaatgag	ataactctaa	tccataataa	3300
ttgagattcc	agtgatgttg	ctatcactta	aaatgttctt	ggaacttctc	tgtaggaatt	3360
gtgttcagaa	ctagcttact	aatgatgcaa	gaaaacaaat	tataatgcct	tttataatat	3420
tacctgtttc	aatcatttcc	tcttttttaa	gcttgccatt	catatctatt	aagcttgcca	3480
tttatatttta	ttataaagct	tacttccagg	tgctttcaac	agtcagattc	atcctcaaag	3540
gaacatcgagc	tatcactgag	agtaactcaa	tcatagtctg	cataaatgag	aagcattttc	3600
tttagaataa	tttcagaaaa	cagttgaggc	acagcagtc	gagtgactat	ttgtaagggc	3660
acgcagtc	cttggtgcat	aggttcagga	ggactgattt	ttaaaatggg	tttcgtgact	3720
tcattcttcc	cttttaatca	tgagaatgca	tctggtgaca	gggactgtca	gcaaatgaaa	3780
gtgtaatgtg	tgtgctctgg	tattgttttc	agtgtttatt	gccctaaaac	ctacttaggt	3840
ttttcacttt	attccttttt	ggtttgggaa	gctaatttgc	aggttaaatt	tatagaagat	3900
gttgattttt	catagagatt	tattccta	atacgttggg	aacactctgg	gtctgccttt	3960
ttaaaggggt	ggggaggtag	ggggtaggga	gcattaatac	gatggcttg	ccaaggtca	4020
cgcagttaga	ggtcacactg	gagaccaaga	ctctttcatt	gtgcagtaca	ttaaatctgt	4080
cattgtcttt	ctttaccag	tagtaaaaat	gcaattccat	ccacctcaca	gggagtcaa	4140
aatagtaaaa	taatctagaa	tatatgttaa	agttaaaatt	gttataaatt	tagtaatgtt	4200
atctaaaaga	ctaacttgaa	tatccatttc	atgaaattcc	attgatcatt	aaaacaacat	4260
tcatttaaaa	aaattttatt	ttttgttttt	ttttaacaa	catttgacag	agattcattg	4320
tctgtgtctt	gtcatttttg	gtgatgttat	tgccagtgag	taagattaaa	atttagtctt	4380
gcagttttta	gtaaatatag	taaaatattt	tccagggttaa	aataaaatgg	ctaaaatgtt	4440
aatgatgcga	ttttaaaacc	tgtacatttc	aattttcagg	ttttaacttc	cattcatgtt	4500
tacaccatta	attggaaaaa	catttcatga	tttctctatc	tttgtttttag	ccaaagtc	4560
acactggcta	ctagaaaaat	atgctggaag	aattgcagtg	gaaaaactca	acagaaggaa	4620
gcagaagggtg	ctgagtggtt	acacttttga	agctgtgtgt	aagatcacag	tgtgaagata	4680
cacagagtc	ataaattgtgc	actgtaattg	acttaataac	tacatgcttg	cagtcactgg	4740
tatcttaaaa	tattatcatg	taaacagggtc	atctttacct	tcataa		4786

```
<210> 9247
<211> 4788
<212> DNA
<213> Homo sapiens
```

```

<400> 9247
gaatgtaatg atgcattttt taaaatacca gagcaaatac tttgttttat ctttgccgat      60
gaaactgtag tacatggcta gaaaccttgc aaagagaagg ctttacagtg tgtgatctgt      120
ctgtattagg tggttgtctg gggtgagtg gactccactg atgactgtat tgagcacaac      180

```

attggccctt	gctcctcagt	cctggacgtg	ggtggggctg	tgacagctgt	cagcgtctgc	240
ccagtgtctc	acccttctca	acggtcagtc	tctgtgtggg	gcttagtttt	aagaggacca	300
cttggtttct	taatatgtag	ccctcatgtc	atttcatttg	tgaattctcc	tagcctctga	360
gttactgtct	tttttttctt	tttttttttt	tgttttgaga	tggagtctca	ctctgtcgcc	420
caggctggaa	tgcagtggcg	tgatctctgc	tcactgcaac	ctctgccttc	tgagtttaag	480
cgattctcct	gcctcagcct	cccaagtagg	tgggattaca	ggcatgcgcc	gtcacgcctg	540
gctccttttt	ttatattttt	aatagagatg	gggtttccac	atgttggtca	ggcaggctct	600
aatctcctga	cctcaagtga	tccattctgc	tctcctccc	aaagtgtctg	gattacaggc	660
gtatgccacc	gtgcctggcc	tgagttactg	tcttttgcaa	aatgcttatg	tttctcataa	720
taatttttaa	attgatagaa	cctaattgatt	cagaatgtaa	aatacaggtt	aggaatgggg	780
ctcaaagatt	cttacttcac	caaattctagg	actataatac	tttctctgta	acaagcatct	840
tcagtggaac	aagggtcctt	acagccagct	ggggaaacac	tggctcatgg	gccttgccag	900
cagaggacac	agataaatct	gtgtgcagcc	cctgtaaaga	ggaggctcct	tgaggacaca	960
ggagagcagt	gcagcatgtc	ctgggctgat	gcctgcagag	tcttttgtaa	ggcagggaca	1020
gttgggacac	tgtgaagaac	tacttttagag	caatgacgaa	gataacaatt	tcattgctaag	1080
ttaatcactg	ttgtccctct	cccttaaaaa	cagatacgtg	gttgccagtag	gattggagtg	1140
tggaaagatt	tgtttatata	cctggaaaaa	gactgatcaa	gttcagaaa	taaatgactg	1200
gaccactgt	gtgataacaa	gtcaaaggta	tttcttccct	attttgtgtt	ccatcagatt	1260
aactagaaat	tgtggggtct	ttcatggcaa	attttatgcc	acattttcat	ggagagggac	1320
atatactctg	attcgtctgt	tctaccactt	tgttttgtgg	taatctgaaa	ttgatacatg	1380
tggtaatctg	aaattgatat	attgcacttg	atttttaaaa	gtttgcttga	ccaaattgct	1440
tgcatgcata	atattatttt	tataaacaac	catttgagat	gaaagtgatt	tccataatgg	1500
tgtgtttag	aatttgacta	cagtagattc	ttaatttgat	tcaaaatggt	tgtgattttt	1560
aaaaatatct	tggattgcac	tttggtagtc	gtatccttat	gattgagccc	tttacctcaa	1620
aagatcctat	agtggagctt	tcaggctatg	caaggctcat	gcccctgggg	tcattgcatt	1680
gccactgtag	ctggcataga	gcacctgctg	tttacaacct	cctccccttc	ccaccacctt	1740
agacagtagg	gtgacatttt	aatctaccct	tttacaggtt	ttattctttt	tgtgtgtgtg	1800
tgagacaggg	tctcactctg	tcacctaggc	tagagtgcag	tggcaagatc	ccagctcact	1860
gcaacctccg	cctcccaggc	tcaatcagtc	ttctacctc	agcctcccaa	atagctggga	1920
ctacagacac	gcaccaccat	gccaggctaa	ttttttttgt	atttttagta	gagacggggt	1980
ttcatttgtg	tggccaggct	ggtctccata	tcctgggctc	aagcaatcct	cctgtcttgg	2040
cctcccaaag	tgctggagtt	acaggcatgg	gccactgtgc	ctggcccaca	ttttattctt	2100
taaaaaatgcc	taaatgtggc	tgggtgtggt	ggctcatggt	ctctaccagt	gagacccctg	2160
gtctctacca	aaaataaaaag	aaattagcca	ggtgtgatgt	tgcattgact	tgggtcccag	2220
ctactttggga	gggtgaagtg	ggaggatcac	ttgagcccag	gaggttgagg	ctgcagcaag	2280
ccataatcac	accattgcac	tcagacctgg	gtgagtgaga	gcctgtcccc	cccaaaaaag	2340
tataaacggt	cagaaagcta	ctaatatcat	tctgtgttat	attttcttag	gctttttcaa	2400
ccttcgtata	tctgtactgt	tgaataatac	atttcaaata	gcaatttcaa	atgacaatat	2460
gatgaggggt	agtgtttaat	ggagagagat	ttgtgagcaa	tgtcttaaga	tatttcatcc	2520
agcagatctt	gtctccatgt	cagccaagca	tgttagtgct	cattataatt	atatttatta	2580
aaatgagata	ttgccatgcc	cccatggctt	ctctcctgcc	tctctgggct	gggttttagca	2640
gttgaactag	tttgtgtctg	tggcttgtct	aagaggggaag	aagctctgtg	aaattccatg	2700
cttcaggcat	ttgaaatttt	ctctcttctt	gggcaccctt	tccttccact	ttgcctggcc	2760
acagtgtctc	cttcacctct	aacctgggtg	gaagcaccct	tcaatggcca	ccatgtggga	2820
cactggtggg	aagccccctt	gaaagtgcag	gaagggaaca	cgtatagaat	ttgagttttt	2880
tgtctgaagg	ggttgttttt	ttctttggtc	attatggtga	cttaggattt	gcaagatgga	2940
actaatgcgt	gacttaacat	atattatttg	gattgtctaat	atttcagtta	ccaagttcca	3000
agtacctttc	aatgaaagc	ttttgctagt	aataagattt	acagaggtaa	tataagcaaa	3060
cactaccctt	taggttggtt	tgccaaaactc	cctatcttct	taaatatgac	atgttaatat	3120
tctggattta	aaggacatta	ccaaaaaaaag	aaaccacctt	tctcaaagct	tacatagcca	3180
aacaagtatg	ttctctcaag	tagtctccct	ggaaagagtt	ataccacata	tgtttatttc	3240
cgtgatttca	ctacttcaaa	tccttctttt	aatgaaatga	gataactcta	atccataata	3300
attgagattc	cagtgatggt	gctatcactt	aaaatgttct	tggaaacttct	ctgtaggaat	3360
tgtgttcaga	actagcttac	taatgatgca	agaaaacaaa	ttataatgcc	ttttataata	3420
ttacctgttt	caatcatttc	ctcttttttaa	agcttgccat	ttatatctat	taagcttgcc	3480
atttatattt	attataaagc	ttacttccag	gtgctttcaa	cagtcagatt	catcctcaaa	3540
ggaacatgag	ctatcactga	gagtactcaa	atcatagtct	gcataaatat	gaagcatttt	3600
ctctagaata	atttcagaaa	acagttgagg	cacagcagtc	agagtgacta	tttgtaaggg	3660
cacgcagtc	tcttgttgca	taggttccagg	aggactgatt	tttaaaatgg	gtttctgtgac	3720
ttcattcttc	cccttttaatc	atgagaatgc	atctggtgac	agggcagctc	agcaaatgaa	3780
agtgtaatgt	gtgtgtctctg	gtattgtttt	cagtgtttat	tgccttaaaa	cctacttagg	3840

tttttcactt	tatttcctttt	tggttttggga	agctaatttg	cagggttaa	ttatagaaga	3900
tggtgtat	tcataagat	ttattcctaa	catagcttg	taacactctg	ggctctgcct	3960
tttaaagg	tgaggagga	gggggtagg	agcattaata	cgatggctct	gccaagggtc	4020
acgcagtt	aggtcacact	ggagaccaag	actctttcat	tgtgcagtac	attaaatctg	4080
tcattgtct	tctttaccca	gtagtaaaaa	tgcaattcca	tccacctcac	agggatgtca	4140
aaatagtaaa	ataatctaga	atataattgta	aagttaaaa	tggtataaat	ttagtaatgt	4200
tatctaaaag	actaacttga	atatccattt	catgaaattc	cattgatcat	taaaacaaca	4260
ttcattttaa	aaaattttat	tttttgtttt	tttttaaca	acatttgaca	gagattcatt	4320
gtctgtgtct	tgctcatttt	ggtgatgtta	ttgccagtga	gtaagattaa	aatttagtct	4380
tgcagtttta	agtaaatata	gtaaaatatt	ttccagggtta	aaataaaatg	gctaaaatgt	4440
ataatgatgc	gattttaaaa	cctgtacatt	tcaattttca	gggtttaact	tccattcatg	4500
tttacaccat	taattgggaa	aacatttcat	gatttctcta	tctttgtttt	agccaaagtc	4560
atacactggc	tatcagaaaa	ttatgctgga	agaattgcag	tgggaaaact	gaacagaagg	4620
aagcagaagg	tgctgagtg	ttacactttg	caagctgtgg	tgaagatcac	actgtgaaga	4680
tacacagagt	caataaatgt	gcactgtaat	ggacttaata	actacatgct	tgcagtcact	4740
ggtatcttaa	aatattatca	tgtaaacagg	tcattctttac	cttcataa		4788

<210> 9248  
 <211> 1502  
 <212> DNA  
 <213> Homo sapiens

<400> 9248						
catgattaca	ctaattgcatt	ccagccttgg	cagcagatca	agaccctgtc	tcaaaaaaat	60
aaataaaaa	aaaataattg	ctgtgaaatt	tctattaacg	tttttgggaa	aaccagaggc	120
ttctgtgtga	catgtgaatc	acagaggaga	aatcatgaat	ctttatagcc	ttgtgttaac	180
atgacttcct	tttgttgata	gagtggttta	ttagtctcaa	gacctttgaa	atggcacatg	240
aattgcttgg	acagattatg	gagacatcca	cccttcttta	gagatttaag	taagtagaac	300
cagttagtgt	gcctcttctg	tttctcacct	tgctcaatgc	agaatgaact	tggtgtatat	360
ccaccagaag	cacctgctta	tctactgttt	gctgtcgttg	caggatatctg	ttgagattag	420
ctgtaacgag	ttgtatgtaa	ttttataact	aactgaatta	agaaaagcct	ttgtaagatt	480
cagtatctgc	ttcagggtcat	tgaaatgtaa	aattagaaag	taagctgagg	gcaggggatt	540
tttttctgtt	ttattccatt	tattccctca	ccacctttgc	catccaccac	caacagtttc	600
ttttaaattt	agcatocaga	gtagaccttt	gacaacgcaa	atcagatcac	ttcatttggt	660
cattaaaaac	cttcaacagg	tttcacatta	ttcttaggat	tatatattaac	atccttatac	720
agtaatctcc	aagcctctcc	ttgatctgg	accctctttc	catctctaat	ctcttcttta	780
acactcctat	acttacttac	tcagcccag	gcacattggc	atatttgctg	ttgcctgaac	840
atgcaaattc	cttgaacttg	ctgtttcctt	gcctgaaact	ctctttcctc	agatatctgc	900
ctggccttcc	tcttaacctc	caagtcttgt	ctcaaatatc	attttttcag	tgaggccttg	960
cttggccagc	cctttccctc	actatatact	gctccccaac	aattgatttt	tacttatcca	1020
tataactttt	atccccctgt	gtgctatata	ttttacttat	ttcttggttc	attggctgtc	1080
tccaccaaaa	tgtaagtgcc	atgaggacag	gaattttatt	aatatcagtt	tgttcatttc	1140
tataccttta	gtgcttttaa	cagtattttag	cacacagtaa	gcattcaata	aatatgtatt	1200
ggactgggca	cagtggctca	tgctgtaat	cccagcactt	tgagaggccg	aggcagggtg	1260
atcacctgag	gtcaggagtt	caagaccagt	ctggccagca	gggtgaaacc	ccatttctac	1320
taaagagacc	aaaatcagcc	agtcatgggt	gcatgtgcct	gtagtcccag	ctactcggta	1380
ggctgaggca	ggaagatcgc	tagaatccag	gaggcagagg	ttgcagttag	tcgagatcag	1440
gccattgcac	tccagcctgg	gtgacagagc	aagactctgt	cttcaaaaaa	aaaaaaaaaa	1500
ag						1502

<210> 9249  
 <211> 645  
 <212> DNA  
 <213> Homo sapiens

<400> 9249						
aaagatagca	ttcacagctt	ccagggattc	agtgtgaata	cttttggggg	ccattttttg	60
gcctgccaga	agtataaaca	ctatcaactc	tagtatataa	gaggcaaaac	agtattatct	120
gcacatgacc	atgctgttta	agctctgtgc	ctacttgctc	tcctgcaaag	cacagatatc	180

aatagtacct	atttccaaag	attgttgtga	ggattgatat	gtaagtaccc	agtagtttct	240
atgacataag	tattcaataa	atatcattac	actgttaaac	aatgcctact	gaacatttcc	300
tatgtgccaa	gcttcgtccc	aagtacatgt	catgccttag	ccaatttagt	cctcacaaca	360
atcctatgag	tagagactgt	ctcttgctga	aggctcatata	cctagtaagc	gggtggtgaga	420
ttgaaaccca	gacactctgc	tccagaagtc	tgtgctctta	accgctccag	atgtggcctt	480
tctgaatgat	gctactgttg	ttttaaaata	attgctctag	gctcgggtgtg	gtgggtcaca	540
cctgtaatcc	caagactttg	ggaggctgag	gcaggagaat	tgcttgagcc	caggagtttg	600
agaccagctt	cagcaacatg	gtgagaccct	atctctacca	aaaaa		645

<210> 9250  
 <211> 10286  
 <212> DNA  
 <213> Homo sapiens

<400> 9250						
cttgaagaaa	atgaaatcag	ccccagtctt	tatgctgccc	cctgggttcct	cacattgttt	60
gcctctcagt	tttcattagg	atttgttagcc	agagtttttg	gtaagagata	cctgtaatta	120
aatggaacag	tattatttat	tccaaggact	atacttctac	ttctagccat	atgatgcccc	180
tattgttcta	tcatgtgtta	tacagaatag	caaattgcta	atggaattta	ataaatgtgc	240
ctggctgtgt	tctgacagta	acttaaaatc	atacttgtct	tacataaaat	tgaaattaaa	300
aaggaaagag	gaattgggct	cctgtatttg	agtcagctgt	aatggagctc	ttattttcat	360
ttgtgcctaa	aaatcagaga	gtatactcct	aaaatctgga	ctagggacag	actgtgtata	420
attttccaga	tttttatata	catgtttcta	ccccattgt	cttcttcatc	ttgcattcaa	480
aacacagaga	aatatgttct	taactgtatc	aatgttggtt	ctaattggcat	ttcttaacct	540
gactttttgt	tgtaaacaga	ataactttac	atcctgtttc	attgctcatg	tgactcttct	600
ttcatgccaa	tgacgtgctg	ggggacagtc	tctaagactg	gtggctcagg	gaaaacacta	660
agtacagtca	gtagagctca	gggcaagtta	ctgagtaact	gccttgctct	aagcacagtg	720
tttggcattg	ggaataaaaa	gagagtgtaa	catggtttat	gtcccccttg	gaggccctta	780
aatctattca	caagtcttta	tactagtcta	agctctgttat	ttaaaaagca	aaaattaaaa	840
caacaacaac	aacaaccaac	tcttcacag	aggtttgttc	taatgatgtt	gttttaggacc	900
tcagtagcct	tagaaagggc	tcccttaatt	tttatgttct	gataatctat	ttagtagaca	960
tgggcaaagc	agtcagtatt	cactcacaac	tgcacttctg	ttaaattgga	gctttttgtc	1020
aaattgtatt	ggcgccattg	taggtcattg	ccagtgtttg	aaaaaatgaa	acagcattta	1080
gtgaagatat	tagggaatat	tacaaatagt	aaggaaatat	gttggttgga	gaaatttggt	1140
ttgaggatat	atgtgtaatg	tatatatata	ccagattaca	acatatgata	tctttcttat	1200
tgagggctgt	ggtttaaaaa	ttaaacactg	cattagtgtt	actacaattt	ataaaatgca	1260
gcaaaagagt	aaagtgaaaa	tgcgtgaat	caaattgtta	ccagatttct	cttgtttatt	1320
gaatatacac	tattgctttt	ctacagtgac	attttctctg	gagcttgggt	tcctattaat	1380
gggtattcta	taaatccctt	tgtttatata	catttttctt	cccagagaat	agtgtatcaa	1440
atcaaaatga	tgtttcaggg	cacctctctt	ttacttacct	ttggaagctt	gatataca	1500
gttcaagaaa	caaattgtcct	cagtatcagt	tttttgtcat	gagaatacaa	atgatgctgt	1560
tggctataca	atagctgttc	aactctcttc	tttgaattta	taaaacaatg	gagactggca	1620
ggaaatggaa	agatgcatga	gcaagaagaa	ttactatgaa	ataatgattc	tatgggtccc	1680
tcttcattag	agactccctg	ttgtatatta	ttgattaaag	aatgacatag	attgagagaa	1740
actttcataa	aaaagtacta	agtacttgat	acttttattt	ctttcttttt	ttatttttct	1800
aagactgagt	cttgctctat	tgcctaggct	ggagtgcagg	gcacaatata	aattcactgc	1860
aacctctgcc	tcctgggttc	gagcgattct	cctgcctcag	cctcccaggt	agctaagact	1920
acaggcatgt	gccaccacac	tcagctaatt	tttgtatttt	tcgtagagac	gggggtttcac	1980
catgttgacc	aggctggtct	gtaactccta	gcctcaagcc	atccaccac	ctcagcctcc	2040
caaattgttg	ggtttacaga	tgtgagccaa	cacgcccggc	ctagtacttg	atacttttca	2100
aaagtattgc	atgtttgtat	ttgtaggaaa	gcagggttta	gagttagggg	agctcttata	2160
tttctctcct	gattgaggtt	gtatgttttt	catttggttt	aatttttctg	ttaatgtttt	2220
ttttttttta	atttcctggt	gtggtataga	tttaattaca	tagctgggtc	atttactttt	2280
tattatggta	atgagagttt	gaatagtact	cattgggtat	gttaatttgt	ttttgtattc	2340
ctgttggtgaa	gaaaaatcta	aatatcaatt	gaataactgt	ccttgagggt	tacctaagct	2400
ccattaaatt	tggcattaaa	aattacaagt	agttcatgga	cagagatata	tactttgtcc	2460
tttttttacc	tggctttatc	tgagattcct	aagaggaata	ttaaaacatc	tgcttatatg	2520
tttagttata	ttgctttttt	aaaaaaaaagc	tagatgcttt	tgaccagttt	tcttctgcaa	2580
aatacataaa	acaagtaaac	aaaaaccttt	agcacaataa	gcgtgctttt	tacaagagtg	2640
gatgcatagt	tttgatcatg	aaaattatat	ctcttctttt	agatattatt	tttcttcagg	2700



gtaactgaagt	tatatattcaag	gttgactca	gcctactgag	cagccaagag	acacttataa	2760
tggaatgtga	gagctttgaa	aatattgttg	agtttcttaa	aaacacgcta	cctgatatga	2820
atacctctga	aatggaaaaa	attattaccc	aggtatgatt	taaatgctaa	tagtattata	2880
tagcagtttt	ctctactaaa	tatatattaa	atgcttttagc	ctaaaaatgt	agctttgctt	2940
gacagatatt	ttcatcagat	acatttttatt	tagaaagggg	actatttgtga	aattttctaca	3000
ctgtgacatt	ttctatctgg	ctatgcacaa	aaaatgctgt	ttagtgtctac	gtaatgagtt	3060
tttcaggaat	cctttcaatt	taaaccaatg	ctaaaactga	agatagaact	gacagagtca	3120
agaaggcctg	agaataaaaa	cagatcctct	tgccctttgtt	atattgttaa	ttattttgta	3180
aaataaacga	agaggacacg	tggcaggagt	acaggctttg	gaattagaag	gtattggggt	3240
tgcatctact	cttggccttt	taattgggtg	tttggccttg	acacatcagc	ctaatacatcc	3300
aaaccctagt	tgtccagaat	gggacagtac	tggacaagtt	ccagaatggg	atgatactga	3360
tctgagaggt	tttatgaagc	ttcagtgagg	agacttggtg	tatcagtcct	tgccccctaca	3420
ggaaacattc	tcctctcgat	gattcaaagt	aaggaaccat	ctataaaggt	gtgggtaggc	3480
gtaaggcaat	ccaacacagc	tgctccagggt	cgaaggaact	agtaacatag	ggaagctggt	3540
caaaccctctg	ctgcagagga	gctaagtggg	ggatataata	gtgttactag	gcccagggag	3600
agctggaacc	gtggaggagg	gttctgtgct	ggttggtgtg	gtcttggtga	actaggcgaga	3660
gaaggtatcag	ggaagaaata	cccaaccctt	ttctctgtcc	ccttctgac	ttgtgtgtgc	3720
atcttctatt	tgccaagtgt	aaccagaagc	cagccagaaa	gtaagtgtgg	ggaattgtct	3780
gcctgccagg	gtacaataga	atggatgagg	gcagagaatt	gatctgagaa	gcaaatgtag	3840
agtaatctgc	acaccgtatg	tgtagtcctt	gactcttcat	agggaccagg	tgagtggtag	3900
ctatatattg	ctgccgttca	gatgcagtgg	acaagcttaa	gagcagcttg	atagatttga	3960
caattatgct	ttatgagcat	tgataaagtt	taccactttc	ctgaaggcac	ttttgatggc	4020
agaaagacga	tagggtttag	agaaagggag	tttggaaacct	tgcttctggtg	cccagccatt	4080
tactagctgt	gtacctatgg	gcaagttaca	acctctctga	gtctcaacct	cttctctctac	4140
aaaaatggga	taacaaaagt	agattctatt	atagtttttg	attattttag	gagcaaatat	4200
aaccaatatg	ttaaagtatt	ttgtaccctg	taattctatc	tataatatga	actcttatta	4260
tattaataca	tgtaaaaatt	tatttccatt	acatggaatc	taaatcacaa	atatctataa	4320
atagtttgta	tttgttaaaa	tgctctgtaa	gctgaaaagt	gtagctttta	tttatatatt	4380
cacttgttta	taaatttttc	agaaatatct	ttcttgactg	gaatcagata	ttatgctttt	4440
agagatctga	aatcagatat	cacctccctt	ctaaaattaa	tgaggaaatt	gcctggcttt	4500
atagattact	attgggatta	atgagtagaa	tttataggca	ggtaaatttg	aacttgatat	4560
tgagagagaat	ttcctaacaa	ttagagttga	ttactgtgga	atgaaatgct	gatattaagg	4620
gagactttga	tgaactttat	ttatggacac	tggaaaaaaa	tgcaataaat	gcagaaaatc	4680
acaagaaaaa	aaaagtaact	ataaatctca	acatctagag	ataatctttg	aaactttgta	4740
ttacatgttt	cttctgttat	atatacatat	aaaaatatat	aaagtgtgtac	ataaatgaaa	4800
tcatactata	tataactattg	tggaaacctga	tttataatta	aaaatataaa	gtattagatt	4860
ttttccagta	actataaaatc	catatttatca	tttttaattg	ttgtataata	atccattgta	4920
tcataacca	ctaagtaagg	aaaagatgat	ggttatattga	ggataaccag	ttagtctaga	4980
aatttcttta	ttaaaattcg	aatgtttgag	tatctctatt	agtaagtagt	agagtaagtc	5040
agggtttttg	tgggtttcttt	tctcttctca	gtgttagtat	agacaccatt	gcttgaatag	5100
cagctgttgt	ctctccttcc	ccctaggaag	tttggagtaa	ctgtcctcta	gcttcaaagc	5160
aaacgacctt	cctattttag	ggtgacatgg	gagagcagta	gcagccctaa	ttaaaacctta	5220
cagcccttga	cagtgtctac	agtgtgcaat	tttgaggatt	ctctgtgtgg	tacaatatgt	5280
aaatgactct	taagaggctt	acagggaaata	gcaaattggt	gcaaaatttt	attaagatct	5340
ttctgtctca	ttggcaaaata	aattagaaat	gcttttggtt	gctttattac	agtaataacc	5400
tatgcaattt	tgcttactaa	tcagcagaga	ttatctctaa	cataataatt	actcaataac	5460
taatgttgtt	tatctagtat	actacatttt	gggagacagt	tactagatta	tgaatatctt	5520
agctgccaaa	tacacttgga	cattaattta	ttctagggac	ttagcttcat	gagaatgttt	5580
caattgcata	gaaataatct	atctgttctg	tttttaaaga	aaatcttctt	tcacagaaag	5640
agctatctgt	ttttatgttg	acagtgtaaa	ctatatctaa	tttattcttg	tattgacagt	5700
tacacttttt	ttttgctttt	ttatgcttta	atgttcttca	ttaataagta	tttggaaata	5760
tacatgaaat	atccaagat	aaacaggctg	tatcttgtaa	tacataccaa	aggctagcct	5820
aaccatgat	actttcatgg	caggtttttg	agatggatat	ttctaagcag	ttgcatgcct	5880
atgaggtgga	atatcatgtg	ctacaggatg	agcttcagga	atcttcatat	tcctgtgagg	5940
atagtgaac	tttggagaag	ctggagaggg	ccaatagcca	actgaaaaga	caaaacatgg	6000
acctcttaga	aaaattacag	gtaaagaaat	aaagatttga	gcaaataagt	acttcaatgc	6060
ctcctgcatg	cacagaacta	cctcagggaat	gaaagggata	tgtgcgtgga	atgaaccatt	6120
gctaaccaag	agcccatgta	tcagactgtc	caagtgtctt	ggggctacaa	atgacatgtt	6180



aggggttggtg	gaagaaatga	gtgaggaggg	tctttaagtc	aggctgagta	ggaggggtggc	6420
atcaatcaga	aggacatggc	agagcagcaa	agttagccta	gtgtcaatth	aagatagagg	6480
ttggggagag	gtaggggtaaa	tatgatagag	gcagaatcgt	aagtgacttt	cagtgtcaag	6540
ccaaagaaca	tggctttaat	cctgtcaaga	gggaaatctc	tcaaagtttt	tggggccatgc	6600
tgtagaaaga	tcaatctggg	aaccttgacg	aggacagatt	gagatgggag	agaaggtaag	6660
gaggcctgct	aaaagtcact	tgtgaaaatc	tgttgccgat	gatgagagtt	gtctagacta	6720
aaatggaaat	tggaagagag	ggagacatgt	ctaggtaaatt	tgaatcccat	gcaaattgtta	6780
catgtaatat	taatacatca	ttcctgccat	caggagattc	acaattatth	gagaatataa	6840
aatactatat	atctgtctct	aagcgcacac	ttatacatgc	aataagaaat	ttattataaaa	6900
gtcatattcg	gtattttgcaa	cttgtatgat	gtgtgctatg	tagccatgcc	ctgagggggag	6960
gggcttaaga	gtgatcacag	gatgggggct	agcaggtgac	ccttctgaag	tcttcggggga	7020
gatgacttca	ggggagtttc	agtgtctaatt	ggctcctcgg	tttccactta	ctcctcctct	7080
ccatttcccc	aacaatgcac	ctggctacaa	actggaaaaa	actaaaactc	tgcttctata	7140
tgggtgagtc	cctgtcaaga	ccagtcaaga	gagacaggtt	agaaatgagg	gatcgctaaa	7200
gtagttgctt	cccaagaatg	ggaacactaa	acttctcttcg	ccttctctta	cattggctct	7260
ggctcataga	aaatgtaaat	ctttttttct	attcaaaaaa	gggcaacata	ctcttatttt	7320
caaaaagaaa	actaaatggt	tagtatattg	tccattttta	gttggaatag	tcaatggcga	7380
ttaattatth	gcccccttatt	agggaaaggtg	ggtttgtacc	tgttttataa	tgattcgtct	7440
gaactgttgt	agactttttc	actgacagtt	cagtgtagtc	atcatcagtt	acttggccac	7500
ccctcacatc	tataaatact	gatgaaagcc	caagtgtatg	tttagagaa	gccgtatttc	7560
agtcagagaa	ggaaaatctc	tttagcact	gcaatagtgt	caggaatctc	ctgtttctcc	7620
ttcagccagg	ccagatccca	ctcactcagg	ggaacaccag	tgggtgtaga	ataaggattc	7680
ctactgttgg	tgaggggggt	gatttagtat	tgaattatth	gtgtgttcag	tgagaagaga	7740
tgaagcatgg	tagttccata	gttacatctt	tgtgaaacct	aataaatcat	cgtttctctg	7800
aggttttcag	agtatttgct	tcacataata	ttttattaag	taatttgaag	taattgggtta	7860
atatgtgtaa	ggactgtctc	ctactataat	gaatcatttg	atttggagga	tttttttccc	7920
ccccaaacag	gtagctcata	ctaaaatcca	ggccttgga	tcaaacctgg	aaaatctttt	7980
gacgagagag	acaaaaatga	agtctttaat	cgggacctg	gaacaagaaa	aaatggctta	8040
tcaaaagaca	gtggagcaac	tccggaagct	gtgccccg	gatgctctag	ccaattgtga	8100
cctgttgctg	agagacctaa	actgcaaccc	taacaacaaa	gccaagatag	gaaataagcc	8160
ataattgag	aggcacggcc	tcagcagaaa	gtgctcctta	gaatactaca	gagaggaaga	8220
gcctgcatgt	cgctggccca	aggctggacc	ctgaagctga	tggaaaccac	taatactggt	8280
gctgagctcc	tagtcacagc	agggtggacct	cgtgctcatc	agagcatgcc	aatcctaagc	8340
cattggacat	atgtagactg	gtttttgttg	ttgctatgta	catataaata	tatatataaa	8400
atgaacatag	ttcatgcttt	cagataaaat	gagtagatgt	atatttagat	taattttttt	8460
agtcagaact	tcatgaaatc	cacaccaaa	gaaaggtaaa	ctgatatttc	ccttggacat	8520
atgtgaaatc	tttttgtctt	tatagtgaat	caaagccaga	gcactcttgt	atattgcaat	8580
ataactgaaa	aaaatgaatg	tatttttttc	tccaaagaac	agcatgtttc	actcaatgg	8640
gaaaagggtg	aaacattttat	gtaactttat	gtgatctgt	cttgatatct	actgacattg	8700
tctatatgag	gaaaatgatt	actggctcat	ctcctgtgag	ttttttggga	aggtaggggtc	8760
atttctccct	gcctgctttg	tgccaactag	catgtttgcat	ctacatgcat	tatgagtctg	8820
gttaggcatt	actttaaaca	tacataaaga	gacagtagga	cattgtgggt	gagtctaccc	8880
agttcaaggt	aaaggagaat	gttgctaatt	ttttagcaaa	ctagaccagc	attattactc	8940
aaactaaaaa	tatcacacct	gaaaaattta	atttaggacc	taaaatgtct	agattagctt	9000
tctgcttttt	ttatttgaat	aactcattca	gttgtgaatg	aattcctctt	tatttggtgc	9060
cacagtcacc	aaatgacaag	gatttgccac	tttcccacca	aattgtgagt	gcttgaatt	9120
taggtctctc	taccttaaat	tcagtataag	gaaacgtaat	tatgattgat	tttttccaaa	9180
gatgacaagc	tgtgttgaaa	tacatttttt	ccttttgacca	attgacagaa	tctaataagc	9240
tttaataatc	ttcccccttt	atgtgaaaag	tttttgagaac	tgtgaaatgt	ttaggaacaa	9300
actgttgaaa	tccattggaa	gggaaaaaag	aaagtggtag	cagtgttacc	agctcaacta	9360
aaacctgcaa	ttctgcattt	caactcttca	cttctctcagc	ctacaaatag	ctcattagat	9420
gacattcacg	catgctgggt	ataggcaagg	aaagtaattt	tcaaagtaca	tttgagttc	9480
tctttttcag	agatgattct	atgatagtgc	ctctgaaagt	tgatgcagca	tttttgctct	9540
tccaaaaagt	atttatctct	actgcttttt	gcagtacttg	tattttcaca	gatggattat	9600
ctggggtaat	tttcttcaaa	gggagtttgt	tatacacagt	gaaaatgtat	tatagagtag	9660
aatagtaaa	ctctagggg	ttcagaaaag	tttgatgaac	agatgacaaa	catctgaaac	9720
ccctccgca	ctgttaccca	gtgtgtatat	aatgacttgt	tatagctcag	tgtgcccttg	9780
aatccataca	gttctttaa	agacaataaa	atcttattaa	taaagttaat	gtaacttcta	9840
agttctagaa	aatgctgatt	ctgtctgccc	cattcaattg	ggggctacta	attgatttgt	9900
tgcttggatt	tcctgagaat	ttctctatth	gtaggagggg	ttttttcttt	ttacggctctg	9960
ttgatgacaa	ttactttatg	ggtgtgatgc	accgatggta	gccaaaggaa	ctgttgggga	10020

agtttggaaa	gaaacctttt	ctttctttta	ttcagtttaa	agtaaacttt	atcctggatg	10080
tttagaatca	acattaagag	ttatattatg	gtgttcagag	attaagctga	cttggatata	10140
atattttctt	ttgaaaatga	attttctttt	tcatttgtga	tttttaaaaa	atgttgcacc	10200
agttatgctt	catgcacgt	tacatcttca	tcagggttaat	gtaatgtcta	gttcctttgc	10260
aataaatata	ttgctgcagc	tttctt				10286

<210> 9251  
 <211> 36352  
 <212> DNA  
 <213> Homo sapiens

<400> 9251						
gtcgcccg	ctggagtga	gtggctcaat	ctcagctcac	tgcaagctcc	gcctcccg	60
ttcacgccat	tttctgcct	cagcctcctg	agtagctggg	actacaggcg	cccgccacca	120
tgcccggtca	attttttttt	tttttttttt	ttttgtattt	ttagtagaga	cggggtttca	180
ccgtgttagc	caggatgacc	ttgatctcct	gacctcgtga	tccgcccgcc	tcagcctccc	240
aaagtgtctg	gattacaggc	atgagcaccg	cgcccagcct	actattactt	ttttaaaagc	300
acattatttt	gaaattttta	attcagatta	ggcatccatt	tccaggacca	ctatcctgaa	360
ttactgaaaa	caggttacta	tttttaagca	ggctgagaaa	aaggagccaa	gatcttttta	420
atagttgggt	agtagattta	tttgcacata	actgaaatga	tagaggagag	ggaatgtgtg	480
tattttttct	tttacctcac	tttgaattaa	tttttcaaaa	tttaatgtta	tttcattggt	540
tagtaaaacta	taattttata	taatgttatg	gtaattttta	taacatctgc	ttattaaata	600
ttatcacaga	catatttggt	actttttaca	gtgcttctca	ggtttttaagc	ctgtgcttaa	660
aaattttattt	atgttgaaat	tcattgctca	gaagtaaatg	acagtcaaaa	aaaagtaaata	720
gatagatact	acttctattc	actgataaaa	cttttcaatg	agaaaaataaa	atcttttgatg	780
atgaagtact	ttgtggtata	gtttttgttc	tatattttctc	ttgtatttcag	tgaaaaaaaa	840
aggtataaat	attcatttgtg	gttcattatt	gaagtaacct	taccatgact	tattgatgac	900
ttattgggaat	gcctttttatc	ctgaatcctg	atttggacat	atttgtgtgt	gctaattcca	960
ttccttgggt	tctgttgtga	ccagacaaga	cactgcttca	gaatcaagggt	gattagagggt	1020
ctacgtattt	ttattttaaaa	aaaattcaca	gattcctcca	actgaacatc	atccttaggt	1080
taaaaagcag	ttttgtttgt	ctcctgaatg	catgccatct	ttctgagtgc	tctgagggt	1140
atatagtagg	gaaaatgtga	cccttggtgt	aatcaaagac	catgaattac	catgtaaaat	1200
gttgattgca	gacagaaatc	ctgtttctac	tctattccat	gctgaaatct	ccttagagct	1260
gtgctgtggc	cttcaaccac	agcctaattt	taatttttaa	ttaatagaag	tggatttgct	1320
agttaggggg	tacatatgtg	cctaagtgga	gtttattcca	aatgccaaga	agatgcagaa	1380
atgagcatcc	taaaagaaac	gtactcaca	aattgaatct	gcctttcaac	tgaagaggat	1440
tattcgtcta	tttctgttca	cctaaattcc	tgctacgttg	gtcactttga	gacactgcta	1500
aagccgttca	gacctcccat	ttgtctggac	acaggaaaca	cctagttcct	tattatggaa	1560
gtttgaccac	atctgtgttg	acatctcttg	actcacatgc	tttttttgtg	gtgaacatct	1620
agaatcactg	ctaacaacca	ctgcaaataa	ctgtcctctg	ctttattcca	gtttctacat	1680
gttgctttta	tcatgagccc	agtgaaaaag	atacatgccc	atcttctctat	ttggggccac	1740
tatttagatt	tctttgtagc	tagagtgaag	atataatatt	aagtatcgca	ctagactgag	1800
atgttcaagg	agaaaaaatc	ctcagaaaat	tatttttagca	acaattataa	gattaaaaag	1860
tgactttttt	gagactggta	attggcaagt	ctcagtcatg	gttaggtgta	agaccattta	1920
aataatactt	cttacctatt	cttaaaagcc	taatggaaat	gttagttctg	ccttgtgtcc	1980
tttttaggtat	ggaattagct	ctgtttatta	cttttagagt	aatctagtct	atgatttccct	2040
tatttttacac	atggatagat	tgaactccaa	aaaggtttta	tattttgctt	gatttttttt	2100
cagcttaggt	cataaggata	taaaataaaca	tatgagatac	ccagagatgt	tttaaatcc	2160
aataactaa	acttattttc	ttaaaatctg	cagtgtgtag	agtttaggaa	ataaaactct	2220
ttgtttttct	gcttctttca	tctacacgtt	gttccactga	ctaactctatc	tcttttgact	2280
cataggtcaa	atactatata	ttgatttcca	ctagaatagt	ttaatctcaa	ttttacttaa	2340
ttagtaaaga	ttttccatag	gataacagac	atgtatgcag	ttaaaagcca	gaacctatat	2400
aaactgttag	tgacactgat	gcaattatga	gttaaatat	actgtggatc	ctgtagaaaa	2460
aatatgggtt	cattttctatg	aaatgaaatt	gttttactta	gcatttctta	aggcttacaa	2520
agagaaagct	ttttcagctt	tcggttcaat	agttgctatc	acactaatga	agttttggta	2580
tctatcttat	gttggaattca	ttgtgattta	gatacagatt	tagacagtgt	tttgtcattt	2640
atltggactt	cagagataga	gtcttgctgt	gtcattcagg	ctgaagtgca	gatgctggga	2700
gtttcaactg	ggtgccagag	ggttggggga	taggaggcag	gttgctgctc	agtataacac	2760
cacctttgca	agactggtcc	tgacagaaga	gtttgccttt	gtgcaaagta	tatctgtgtt	2820
gccctggcag	gaagtaaaat	atgactacat	ccttcttaaa	gttgagtctc	tgtgagtgggt	2880

cattagagca	tctccattct	gtacaatagt	caatgaattc	ttttaaagca	ggcaagtaga	2940
cattacaatt	ctatgttaaa	ataagaagtg	ggatgttaat	ttaagagttg	atctggtgaa	3000
gactatacct	gcttgttcaa	ggatatgtta	aaagattatc	ttgaagcttt	gacaagttca	3060
tattatagca	tttgatggat	cctatatata	aaggacttgg	aaatagcctt	cctaccctat	3120
attgggggat	atatgttaata	cgggacattt	tctccccata	tgaagtctga	atttgtgttc	3180
acaaactgtg	gttcttaatt	aactggtgag	tggttaagagg	gagtatata	acaatatacc	3240
agtcaaaaat	gggtgggagt	tctccaagtt	atgtttcctt	cctagatatt	catttttttaa	3300
ctttgtcaat	ttctgataga	ggtaatgctg	gcacagaata	cttttcctga	atatgtatct	3360
tgggaaggag	ttttataata	cacatgctta	gattccaaaa	tacaaaagaa	gaaggaaaaa	3420
attctatgga	aacataaggg	aatggttata	acttgcttca	tcattttaaga	aatgtaaaga	3480
tgattaaaa	accagtgtat	gtatatccaa	ctatatattag	gtgttttttt	atttgggtcct	3540
tctattttaca	gttaaaagtg	tatacatatt	ggaatgtaat	tatttcaaag	caaagaaaaa	3600
gaagtgagac	atttacataa	acgagcacct	gatagtactc	tgaagtattt	tctctgttga	3660
tataaaaatta	atccattaaa	aaatggaaaag	agaagtaccc	aatcaaaaagg	cttagtgcta	3720
attggagact	taattttttca	ccagaaatgc	agaggatcct	gggggtccca	acagctttgt	3780
ttttgtggtc	ctatagagct	ttgttcagaa	ctaatagcaag	gagtatttac	actggcagga	3840
tcagctgcag	tgccataatgc	tggattcttg	accacctagg	tttgcacctc	ggttccttca	3900
ctttattatc	cgtgtgactg	tgggcaagtt	acttagcctc	tttctacttc	agtattgcac	3960
caaaaatgga	agtagtaatg	acatctacct	tgcaagggtg	ctgtgaggat	gaaattaatt	4020
catactcgta	aaatgttttag	aacaatcgat	acctggcatg	aagtatgtgc	tgagagtctt	4080
agcttttatta	ttattacagt	aaacaccacg	tggtgtttta	ttttgttttt	tactcaaaaa	4140
gtagacatta	tgctttctta	cctaagttta	atcaaaaggaa	aagttaatgt	gataactaat	4200
gttgtaataa	aaacaaacaa	acaaaccaa	agaaataaac	tcctccacc	cccatcccag	4260
tgtagtttcc	aagttgggtt	ataggaattt	tgatgcagtg	tttcatttgg	ttttgattct	4320
tgcaattgcc	accttaagaa	tgtcagattg	ctgactaaaa	gtaaatcaaa	caggaaactg	4380
ctataagttg	cataatagca	ctgactgctt	aaatgtttat	tgggaacttg	acttctgaat	4440
acagatcttc	tcttattaaa	agcagagctg	cttttgccat	atctcagcaa	ccaactactt	4500
tttcaagatg	tcgattttta	gtacaagata	aagggtcaat	ggtttgttat	gtaagttctt	4560
cttttcagta	tattattatc	ttctattttg	actgctaatt	ttttggctta	ttactagtca	4620
gtaaattcca	gacatgggag	aaaaatttgc	catgtggcag	tttatattat	aggattttaa	4680
attttaggtt	tatgaatttt	ttgaatatca	tgtgggcta	gtaaatactg	tatgcgcctc	4740
ttttataaca	tattgcccc	aaaactttgt	attttatagg	caatcatgaa	actgatatgg	4800
gtacaactca	gttttatttt	tagtacgttc	taaacacttg	atatgtcatt	agcagtgaat	4860
tggaagggtga	ttcttaaaag	ctgttttaat	tccagcatta	aaatataaac	atttcggagt	4920
cctctgattt	ggccaactct	ggtttggttag	agcactaaaa	aagtcaagct	aaattaatat	4980
ttgttgatct	tttgccctgt	ggagcattga	catagtgcct	ttaaataagt	atttcattta	5040
gctttcaaag	cttaaagtat	aaattagatg	gcttttatgta	ggaaaggaa	aacacttact	5100
agaaaaaata	tgctttttgt	tgtttattaa	caacattgtc	atgggtcaata	cctaccagtg	5160
ccatcaacag	ttcagaacat	actttagaaa	aacaaagcta	ttaggacttg	actcccaata	5220
aagggtttta	agaaggtaga	tcttttattt	attcctgaca	tgttagccta	gccagtattt	5280
ttgtctgttt	cacttaaaact	tctgagttaa	tatttcatth	agttttataa	aatattaatt	5340
tattcagtag	atattattca	gtgcttatta	tttacctgtt	actacactac	aagctagaaa	5400
tatacctatg	aactgggcat	ttagcaataa	actgccatca	aggtcgtgtt	acaaaaatga	5460
agataatgag	tacttcaact	gtatttattg	ggttgtaact	attatatata	gaacatttga	5520
atcatattht	taaaagggaa	atacttgcat	taatgttttc	caaagtgcaa	gtaaaagcaa	5580
atatatatat	atatatgtgt	gtgtatatat	atatatatgt	gtgtatatat	atatgtgtgt	5640
gtgtgtgtgt	gtatatatat	atatatatat	tcaatatcca	ggaaggtttt	ttgttttgtt	5700
ttgttttgtt	ttttgggaca	gagtcttgcc	ctgttgctca	ggcaggagtg	cagggatgcg	5760
atctcggtc	actgcaacct	ttgcctcctg	ggttcaagcg	attctccacc	ctcagcctcc	5820
tgagttagctg	ggattacagg	tgtgcaccac	cacacctggc	taatttttgt	attttcagta	5880
gagacaggat	tttgcccatg	ttggccaggc	tggtctcaaa	ctcttgacct	caagtgatct	5940
gcctgcctcg	gcctcccaaa	ctgctggaat	tacagatgta	agccattgtg	cccagcctca	6000
gggagttttt	ctaaaaaaa	aatttaatta	taattttatt	ttgacatgga	gcctcgctct	6060
gttgcccagg	ctgaaatgca	gtggtgcatt	ctcggtcac	tgcaacctct	gcctcccggg	6120
ttcaagagaa	ccttgtgcct	cagcctccca	agcaactggg	attacaggca	cctgtcacta	6180
atgccagct	aatttttttt	tttttttttt	tatttttttag	tgagacaggg	tttcaccatg	6240
ttggccatgc	tactcttgaa	ctcctgacct	caggtgatcc	gcctgcctcg	gcctcccaaa	6300
gtgctgggtt	tacaggtggt	gagccaccgt	gcctggccac	tgcttcagga	gttttgaaca	6360
atggacacat	attaggttta	tagtgttatc	caggatgcat	aataaccaga	gtttgactat	6420
attgagatat	atgtatcaag	tactgtactt	tctaaagtat	cacgtcataa	tacttactct	6480
ctgcatagca	gctcagaagt	ctttttttta	actttaattt	agccaatcca	gaagtaatgt	6540

ttccataaaa	tagatccaga	ctagaatgaa	ctgaattgcc	tgagtaaata	aagatacga	6600
aggcagatgc	tgaattgctc	ttctcactat	taattgcctc	aacactattg	agttcccttg	6660
agtatctgag	agtggctggt	ctgtctgagc	tttatttctg	acctcagcac	tgaccttttg	6720
attccatcaa	aagtcttata	ccttcatttg	ttggtatcat	cacctgtaaa	tattgggtatc	6780
cttattgttc	tctcaggcaa	actcagactg	tgaaacttaa	aaatgtaaga	tattcctgcc	6840
actaacagca	acaattattg	tgaggctctc	cagcagcaaa	tataattggg	ctcaaaaatg	6900
attttgagtc	ataccgacct	ttttttgcag	ataggcctag	cataactcaa	agtgggtctt	6960
tttaggaaat	gaaattttga	caatagagga	gcattttctt	atgcactaat	atagaatgat	7020
gtgacactac	tccctgtccc	ccaaaaattg	agggagggtga	ttctagaate	aattaatttc	7080
aataagttag	ggaattttcta	tacactgttt	ccctgttgga	gaggtacagt	gcatgccagt	7140
gtattaacag	tctctaacaa	gtactgtctt	aaagaaatct	gttaacattt	tttaacaggc	7200
tgggtgtggg	gcctcatgcc	tgtaattcca	gcactttggg	agctgagaca	ggagaattgc	7260
ttgagtgcag	gagtttgaga	ccagactgga	caacacaatg	ggaccgggtc	tctacgaaga	7320
tttttttaaa	aaaatagcca	ggtgtggcgg	tgtgcacctg	tagtcccagc	tgcttgggag	7380
gctgaggtgg	gaggatctct	tgagcctggg	aggtcgaggc	tgcaatgagc	tgtgattgcg	7440
ccactgcgct	ccagcctggg	tgaaaaaatg	agaccttatc	tcacaaaata	aatgtcaata	7500
aaaatataaa	aagatctatt	ttttaactta	gccatccaat	cttatttgac	cccagttttt	7560
tcttagtata	tcacctacca	ataatcccaa	ggttgactgt	tctgcttata	ttcagggttat	7620
catctgccat	gattcaactg	ttggtagctg	accattcaga	gacacatctt	aacagtcgta	7680
ggcaattaga	aacagtcttt	attgacctgt	tctataagag	ctctaacaaa	agctctttgt	7740
gaggctttta	tggaaatatt	accttgtttc	aaataagcta	ttcatgttat	ttccttagca	7800
aagcatgaat	tcatgactta	agcaacctgt	actcctcctt	ataagtgtct	ctgttcctca	7860
gattagaact	aggactgggt	ggctgctaag	gaatgagtag	aaacagggga	gcttctcttg	7920
actgggctgt	ggcctagatt	gctgtttccc	caggatgtgg	tgccctgggt	gactagtgtg	7980
cctgggtgat	cattgctcca	tgttgccctg	ggcttgtgct	tgcccgtgac	agaacttgtg	8040
aatggcttgt	gctaccagtt	ggttgtgaa	tgccatgatg	tgcaactctc	cttataagtg	8100
atatgtttat	ttgctttcaa	cagtgatgga	gaaggagaga	aaaggacctc	atctacctgc	8160
agcaatgagt	ccctaagtgt	gggaggaacc	tctgtcactc	ctcgccggat	ctcctggcgg	8220
cagcgcattt	ccctaagggt	tgcttctccc	atgaacaaat	ctccctcagc	aatgcaacag	8280
caaggctctg	gttgactctc	ctaagggaatt	taccctctg	agtgtcagaa	attagctaat	8340
ggaatgcacg	tgctgtgtat	aaagagattt	aagtgtattc	agtgtagaaa	tatctttctg	8400
tatgtgatac	agtgggtttc	ctttcaggta	tcattagaaa	acattaggca	ttcaataact	8460
gcttgttgaa	tgaatgaatg	agtgtgagac	tttccaaaaa	cctgtacttg	ggcctactcc	8520
acaaggtaga	cggaaactgt	atagtgtctg	gaaagaagct	gtatgtcctt	tttctttctt	8580
tctttctttc	tttctttttt	tttttcccag	agattggggc	ttgctctgtt	gcccaggctg	8640
gggttgcagt	ggtgtaatca	tagctcactg	tagccttgaa	ctcctgggct	caagcaatca	8700
tcttacctca	gcttccaaag	atctttttat	tattagaaaa	gcaacatagc	ctttttataag	8760
agccacacat	aaaacaaact	gacatagaaa	tattgtagcaa	taaaggaata	tatacaatat	8820
actaggcaaa	tactgtagcaa	aagagagcac	aggcagctct	ctttgagtaa	ttgacctatt	8880
aaactaaagc	aaaagcatcc	aaagaggcaa	gcacatgtaa	cagtaaacaa	acagatagaa	8940
caatcatgag	aacatacata	atgatgtagc	tttgagagct	agaaaataac	acctaaaaga	9000
attctggagt	gaaatcgata	aattaatagc	tctgtgtgga	gattttaaca	tactcatctt	9060
tagaaattaa	atataaataa	tatttgagta	acacaaataa	ataagcttga	cctaataatt	9120
atagagaact	tcgcctccta	tggagaaaaa	tcattcattt	ttagcacact	tggaacattc	9180
ataaaatgta	attatgtacc	tgtccacaaa	gattttttaag	taaatctttt	tgaaatccaa	9240
ataatcataa	tcattttatac	aaatattctc	tgaccacaat	gccaaaaaaa	gaaagaaatc	9300
aaggattaga	agacaagtag	aatgacatgt	gtttgggaat	agaaaactac	tcttagaagc	9360
tagaaggaag	aaaattcaat	gcttagagcc	ttacctattg	aaacggatct	agggagcagt	9420
taaaagccat	gaatatattg	atataaaatc	aagaaggcca	aaaattagtt	acactgagtg	9480
ttcaactcaa	aaagctagta	agagagccag	gtattaaaaa	tttaaaacaa	caacagtaaa	9540
acgtatggaa	gtaaataata	aaagtaaagg	cagaggtcaa	tgaatatata	taaaaaaaga	9600
agaaaataga	agaaaacaac	tggtattact	aaagatgaag	ttactctctg	ccgaggtggg	9660
cagaaaaagc	ttcacagaac	aattagatgt	ttattttaaac	tcgttgctgg	aagaaccatg	9720
ctttagaagg	aaggaatgac	gaagctctgg	agtcatttga	gtgaactttg	cagatcagag	9780
aatcatgaga	aattcagcat	gatgaatgca	aagaatagaa	gattgagata	tgaggctgga	9840
aatctgagtg	gagaccagaa	tctgaaggaa	cttaaatgct	agtcccaatt	tggtcttgcg	9900
atataagcaa	ccattgaaat	gttttaagag	atgtgattat	ggttggttaat	aggaaaaatca	9960
ttggcagtag	gaagggagag	aatgagtcac	ctgttaaggg	agtgttgac	atggaatact	10020
gcacagccat	gaaaaataat	gaaatcatgt	ccttttgagc	cacatggatg	tagctggagg	10080
ttattatcct	aagaattaac	acaggagcag	aaaaccaa	actgcatgtt	ctcacttata	10140
agcgggatct	aaacattgag	tacacataga	aacaaagaag	ggaacattag	acaccgggac	10200

cccccttgagg	gtggagggtg	ggaggaggat	gaggattgaa	aaactacctc	tcaggtactg	10260
tgctcactac	ctgggtggcg	aagtcatttc	atttgtacat	tgtaccccag	agtcacgtaa	10320
tttaccatg	tagcaaacct	gcacatggac	cccttcaacc	taaaataaaa	attgaaaaag	10380
aaaaagaaaa	aggtgttgca	ggaggaatga	gcagagggag	tactgtgctc	agccaggaga	10440
ggccagcat	tgctcagtgg	ctatgtctct	gacggatttt	gatgatcgat	gtgacccttt	10500
gggagatccc	tgatacctag	ccacttaate	tcgttctcta	cagccagaga	atatacgtaa	10560
gtaaattgca	gaagtgttgg	actcaggaga	ggccaggttag	ttttggggca	cctctcttac	10620
agagctcttt	gggtggaaag	aagaagtggg	gaaatgacct	atgctttctgt	ttcatcatga	10680
cagggaaatc	tgggaagggga	attcagttta	gtgaattttac	ttaaatatata	gctgcagaaa	10740
ctaagttaca	gggaaagcgg	ctttgtgaca	tttttaagtg	tagaagatca	gatgagaatg	10800
tgaattctac	agaaacttgg	gtagtctggg	ttactgtctaa	ggaatgcctc	tcactgtgtt	10860
cttctctgca	gatggattgg	acaggaacga	gctgctgcca	ctgtccccc	tctctccaac	10920
catggaggag	gaaccgctgg	ttgtattcct	gtctggggag	gatgaccagg	aaaagattga	10980
agaaagaaag	aatcaaaaag	aactgaggag	cttgtggaga	aaagctatac	accaacaaat	11040
cttgttactt	cgaatggaaa	aagaaaacca	gaaacttgaa	ggttagccat	tttaacagac	11100
taaatgctat	gatgctatga	tgaagggtg	tatgttaaac	ctacctttct	ctccccatac	11160
atactatccg	cactcagttt	tggactgtat	gcacacttta	agaagaatac	ctactgatta	11220
taattgttga	tttccatttt	gtgaggtggg	tataacatgg	gaaaggctcag	cttaagatat	11280
ttgtggtttt	gttttaaatg	ggtttgcatt	ttaaatagat	ttaagactta	agaaactctt	11340
agagtatat	taggtaaaat	agaatgtaga	taatatggaa	tcaatgtatt	tgatgtgtct	11400
gaaagttcat	tatcttagtg	tcacttctaa	aaaatcctta	aatatgagaa	agcaaatttt	11460
cttttctttg	aatgtgattt	tcaagtttca	ggttaattac	attcataatg	ggagaaatat	11520
gcctacctca	agtaaaacct	acttacattg	tattcaattt	aactatttaa	ttataattat	11580
ctgttatcaa	gccaaacctt	tctctatttt	ttgttaattg	tttataaatt	ttctattttaa	11640
caaagtctga	ttcaaatcat	tatatattata	atcaataaat	ttataataga	ttttgcccc	11700
cttgtgggtg	cttattgcta	agattatgat	taccaaatgc	tttggaatgt	gtttttcagc	11760
ctttgaaaga	atgatataat	ttactccagt	actgatagaa	ccacatacaa	ggagatgcta	11820
agaaatccaa	aaaaatgtat	aaatttctatt	attttgggaa	aatcacttaa	cctgaaaggg	11880
tctcattttt	acacttgtaa	aatgaaacat	ttaacataag	tggtccgttt	gacttttaag	11940
attattggca	caagtataat	ttagatattt	ctctcacttg	cctttatttt	gtggctcttc	12000
atacagcttt	tttagtatag	gtattccaca	tttctgactt	tatcatctac	cttaagattc	12060
ttgttactac	acctatgatt	caatttaatt	tttttatttt	aacaatatat	agtttgcaag	12120
agcacatttt	ttaaaatcgc	tgttagcaga	gtgaaaagta	cataggattt	taaatactct	12180
ttggaaatac	atcttctttt	cttcaaaatt	aaaaatgcta	ttactgtctg	ttagcataat	12240
tttaaaagtt	cagtttgata	aatgggtctgc	ccacttgagg	tttcgcaggc	ttcaaaagaa	12300
attgaattca	tatttgtaag	caagtagtta	tattttgaac	taactcagaa	aaagaggttg	12360
aaaaaaaggt	ggtcatcctt	tcttcaaaaa	atttaatgca	tgaaactgta	tttcaacttg	12420
gagtatgtac	aaataaaaatc	tgatattaaa	tatcaaaagg	tggtttcaga	atcatagact	12480
atttgaagta	gaaatagcct	tagagattac	ttagctagat	tcttcattct	acagtagaag	12540
tagtgactgg	cttgggaaag	gtagagaatt	aacctaaagg	caaatagtga	catactggca	12600
gagcaagtc	caaaactcag	gtttattcat	cgtgggttct	gggctttccc	cagcacccca	12660
cagtatttct	cagctgtgta	tgttaatat	aggaatttgc	atgttttaca	taagtggctg	12720
ctgtgtattc	tgagatcagt	tatactatat	gattttacag	gttaagaaag	gaggtgacat	12780
ttagaataca	ttctcagaaa	ccttcatcgg	ttctctgttt	ctctgcctac	ataacaaaga	12840
taaaaaatag	tttaacctat	gaaaattcta	accaatggat	aattattttct	tgatagtctt	12900
ttagtctttt	ctagttaaac	agttaagggc	agatattaac	tgtccctgtt	caccatttta	12960
tcttcagggt	gtgctggctg	cacataagca	gatgctcgtg	attattttta	atgatcaata	13020
atctagagaa	gattagagaa	aaactctaag	gaagtaatta	tgttttgtcc	atcatgaaga	13080
aaataattag	taaagttata	tataggagta	tatttgtttt	tagccttaat	aaagccacac	13140
cttttaaaaa	attacttggg	tatcagagaa	atataaagca	aatagccaaa	cagccaagct	13200
agacagtggt	agaaaagccat	ctgtgggtatc	cggaaaggaat	agttttgtac	tgtgatttat	13260
ctttagatta	tgtttggact	tttaagtagg	aatttttact	gccttgcttg	ataaacagtt	13320
tgttataaga	tatttttaagt	cttttgaaat	ggtttcaaac	acactaagta	aagagtaact	13380
ttcattctgc	tgttgttttt	gtgctgtcga	ggacttggga	tgcatgacaa	agatttgtgt	13440
tgaggagggt	aaggtggccg	agcgtctgta	gcatgcatga	atacagattg	ctctgagatg	13500
ttcctgtcca	ccgtgatcct	aatgaagaga	agaagtatac	tcttgtgtct	gctcttcctt	13560
ctcttttgaa	atcagttttt	catgataaag	aacaaatcaa	gatactgggt	gcttttatag	13620
acattttctt	taatgagctc	tgggg				

tagcaagacc	ccatctttac	aaaaaagttt	gtcaaattag	ccaagtgtag	tggcgcgatgc	13920
ctgtagtcct	agctacccag	gaggctgaga	tgggagctca	ggaggttgag	gctgcagtga	13980
gctatgattg	caccactgca	ctccagcttg	gggtacagag	tgagaccctg	tctctaagaa	14040
acaaaagcaa	aaacaaacga	aagagaaaaat	aacgaacatg	ggaacacata	agctagtttt	14100
attagttatt	aagggcagta	tggataactc	tggaaacagt	tataaaaaatg	tatcatgtta	14160
tgggtcatata	tttttcaaat	caagatgagc	atgagtcctt	gtcttctcat	gtatggcaca	14220
tataaaatat	taacacttca	gtggtgtcaa	aaaatggaaa	attatagaat	gatcaacacg	14280
gtttactttt	tatacttagc	agagtcgcca	tatgtaagat	acagagtaaa	acctccttag	14340
gaggttattc	ctcatttttt	ttctcacatg	aatgactca	aagcttgga	ccctttcatg	14400
tatcctcaat	ttgttttaaa	ttttcttttt	gagatacact	accagttgat	tcctgaaagt	14460
catttggtat	ggtttttaca	atacaatcaa	acgtctaaag	ttttacattt	gaaaaacaca	14520
ttggtcttac	gtaaatgtgt	tttttcttta	gcaagcagag	atgaactcca	gtccagaaaa	14580
gttaaattag	actatgaaga	agttggtgca	tgtcagaaag	aggtcttaaat	aacttgggat	14640
aagaagttgt	taaactgcag	agctaaaaatc	agatgtgata	tggagatat	tcatactctt	14700
cttaagaag	gtatttggga	taatctcagt	aatttttgtt	ttttaagaa	aagcctgggg	14760
gatttttttt	ttttgtttga	tttgtggagc	tcagattttg	cttagtaatt	ttgtccttgt	14820
gttttgctta	gtaaaaaaag	agaagtaatt	tgtttcttcc	tgtagtttag	tgactgtctc	14880
tgaggaggta	gcacaaacct	attttcagca	tgggtggtggt	gtttaccaag	gaagaagtgc	14940
atgcattgat	acaaatcttt	gatcactgcc	ataaaaaat	taataattca	gtctttcaaa	15000
cttgactcat	tttcatcatt	tggtcagaag	tattcattta	catatatgtg	tatatattaca	15060
tgactgtgta	tataactttg	tatgtattta	tatgtataga	tttatattct	ggctaagtaa	15120
tcaatcaatt	ttctttcatc	cattcatttc	ttcactaatt	ttggagaagt	tgcttttatt	15180
tagccattat	atgcatttta	ttcttttatt	gctgctatgc	catataagat	gcctgatatt	15240
taagaatttt	aaatttataa	ataaaactaa	taagtcaact	tttagttgca	gtttctgtga	15300
ctcagattaa	atatattaaa	attagaatct	ccatagcctg	cataaactgt	gggtgtaaaa	15360
taaaaattcc	aaaataccca	aagaaattct	ataatgattg	ttgttttaaa	agcctatgct	15420
aatgtgtgag	actggtgagc	cacagttaag	tttaaatata	gataagtgtt	attttgaaag	15480
ctgctgcatt	gacaaaactta	atatagtgtt	ctttatcctt	gaagatatgg	aaatcctaaa	15540
gattttttact	gaatgcttta	tttgggagac	acaatatagg	ttaacagaat	gtctatgaga	15600
tgtagatcac	accatttttt	ggcatgactt	tcaaagatat	tttaggagtg	cttatcttcc	15660
tattttcttat	tggatacagt	ttaaaactct	tggccctgtg	cccaaggcct	ttgtactagt	15720
ccattttttag	gctgctgata	aagacaaaacc	caagactgag	taattttctaa	agaaaaagag	15780
gttttatgga	ctcacagttc	cacgtgtctg	gggaggcctc	acaatcatgg	cggaggtgga	15840
aagggtgtgtc	tcacatggag	gcaaacaaaa	gagaatgaga	accaagtga	aggggtttct	15900
ccttaacaag	ccatcagatt	tcatgagact	tactcactac	cacaggaaca	gtatggggga	15960
aactgcccc	atgattcaat	tatgtccac	cgggtccttc	tcactacaca	tgggaattatg	16020
ggagctacag	ttcaagatga	gatttgggtg	gggacacagc	caaaccatac	cattgttcta	16080
taatatctac	ttcctccttt	ctgatctcat	tttgttatct	ctccttacct	tgtatttgt	16140
gctctatttt	actttgagca	ctgtatgttc	ctttgctatt	tcttgcatgg	aatgttccag	16200
ccctccctat	tctccttctt	ccttacttct	ctacattctc	atttcccate	tccttttctt	16260
tcactccat	cctcttctca	ctcctcttct	ttccgccctt	tcctctgccc	gtctcagggc	16320
ctttatgogg	tcctctcctg	gagtgactgc	tgcctgcgct	ttaagcccag	agcatcctat	16380
tatccctcag	gtccctcaaa	taccatttcc	tcagagcacc	accctgccc	cccgacaaa	16440
atcagttcat	tgtactttat	cattcttttt	cgtgatttat	tatacttaat	cataatttac	16500
agtttaataa	ttatgtgtgt	atttgtttta	tgtttttctt	accccaccac	tgcacaccta	16560
gcacctaaga	cagtatcttg	cactcattac	tagatgaatg	aatggatgaa	tgaatgaatg	16620
agatgatttt	cctgagaatg	gattttattca	tcactcaatg	atgaggcatc	ctgactgcct	16680
tgctttattc	tctgtttacat	actggtatgct	caataaatgt	ttgtttgact	ggaatgaagt	16740
tgttttttgt	acattttatta	ttggttggat	aataaaaactg	cccaactcatg	ttatcagtga	16800
ttcatttagt	gggctgatag	ttaccttcta	aaaatgacat	tttctatgct	gtcattgatt	16860
cattcaacaa	atgtataagc	agcaaggat	attcttggat	tttatcatat	agagatgaaa	16920
atatgcttgc	tattctcaag	gaccatttaa	gccgggaaaa	gagacaaaac	ttcaatatag	16980
agctaactgt	aatctaatat	ggtaatgtta	cagtatgagt	caaatggtgt	gtgaaaaggg	17040
actgattaca	tctcgagatg	ttagggagag	cttcaaaaaga	aaaggtgaca	ctcaagctca	17100
ttcatgaaag	atgaatagac	gtacaatggg	aagtcaagcg	agggagcttg	gaattccata	17160
aaggcagac	gaggtgcaag	aaactggaga	agtgaataa	accacaagcg	tctagtatac	17220
atcaggact	gggaagtaat	ggtgcttaaa	aaggtagttt	ggagctatat	tgtagaggcc	17280
tcataagtca	tgccaacgag	cctcagtttc	acctgtcgga	caataatact	ttcagcttgt	17340
acaaactctg	gcaatcagtc	agaagagatt	actgtcatta	agcatttctt	taaccagctg	17400
gagcaaagga	acccattgcc	gattcaatgt	gtccaaactg	aaaactctta	gtgagtga	17460
taaagttgcc	tgcactgtgc	agaattgaat	tctgtccctc	ccagtgctta	cttcatttcc	17520



cttggcataa	aaaacatagt	catagtgtcc	ttgaactgct	tgtgatacat	tttgggtgttc	17580
aagcatacta	gagttaatgt	ttcattatat	gtgctaagca	ttttcttttc	aaagcccgaa	17640
tgttgttctg	gagcatatca	gttacgcctt	cttattgttt	actacttata	ttattttcttt	17700
tttttttaga	cagagtctcg	ctgtgtctcc	caggctggag	tgcagtggtg	agatctcagc	17760
tactgcaac	ctgtgtcccc	caggttcaaa	cgattctcct	acctcagcct	cgcgagtagc	17820
tgagattaca	ggtgcatgcc	accatgctcg	ctaatttttg	tatttttagt	agaggcaggg	17880
tttcaccatg	ttggccaggc	cggtaatgaa	cacctgacct	caagtgacc	accacccttg	17940
gcctcccaaa	gtgttgggat	tacaggcatg	agccaccgta	cctggcctat	tccttcattt	18000
ttaatgccca	tataagaatg	ctatttgatt	ctctattata	aagtctactg	ttgatgacaa	18060
atatttagag	ttgtaaatta	ggtttagcat	ttgttgctat	cctcaagcca	gataaagagt	18120
gaaaataggc	agtaatacac	tttgggatat	caggatttg	cctctgaaac	cagacttttg	18180
gagttcta	tctaaactgc	cacttcctag	ccatgtgaac	ttggggcaat	tacttcactc	18240
ctttctgcct	cagctttctg	tctataaagt	ggacctaaata	gtaattgcct	accttatagt	18300
tgagttgttt	tctgagtgca	tgtgcttagt	agctaggcac	cctcaataaaa	tgttttatta	18360
atgctcagtc	agcaacgggt	gatgttattg	ttaatatgt	cattatcgta	agtgttgctg	18420
gagggttttc	ttttgcaagg	catcaagagc	tataggattc	agctttgtcaa	aatatgcttc	18480
tgtaattat	attgtgtggt	cttaggggtg	catgcagtat	atacagctgc	ctgtttacca	18540
gaattatata	gtgaatcagc	tgggactctat	caacttcatt	ccagagttca	aggccttggt	18600
tatttatctc	cttcattgta	ggagttccca	aaagtcgacg	aggagaaatt	tggcagtttc	18660
tggctttaca	gtaccgactc	agacacagat	tgcctaataa	acaacagcct	cctgacatat	18720
cctataagga	acttttgaag	cagctcactg	ctcagcagca	tgcgattctc	gtggatttag	18780
gtatgtttgt	catgtggatt	ataatttaca	aaagtaaaca	gctgatccct	ctgttaagtt	18840
tttttggttt	ttgtttgttc	ttggtgctga	taaagagcac	ctgttggcat	atgcagagcc	18900
gttgactttg	tcctttactg	agggcaagtt	ggccttatac	ctgattgacg	atcccataaa	18960
tgccctgctg	ttaaattgaag	ttttcacccc	aaaactttgc	ctctgcaaa	ggagccatct	19020
tatatattaa	ttattataaa	ggctcatatta	tggggtgctc	tcagttactg	cattttgaac	19080
aactgacttt	ttagggcaga	tagttgtatc	ttaatcaatg	ctggttttga	aatagcttag	19140
aataggttaa	aaatttaaca	aagggtgtact	aggtattcct	ggacacactg	ctgaaaacaa	19200
tcctttatat	gtcactttta	aaagcagcat	gataaatggt	tatgttggtg	gaaattatga	19260
ctatacacct	ataggggtgag	tgaaacatta	gttgactact	tagttagga	atgggtactc	19320
atgacctggc	ggagaatttc	cagtgacaga	atcataaagc	agtctttttt	ttttttttga	19380
gatggagtct	ccctctgttg	cccaggctgg	agtgcagtg	cacgatctct	gctcactgca	19440
agctccgcct	cccaggttca	tgccattctc	ctgcctcagc	ctcctgagta	gctggggacta	19500
caggcaccag	ccaccacg	cggctaattt	tttttttgta	tttttagtag	agatgggggt	19560
tcaccgtgtt	agccaggatg	gtctcaatct	ctcgacctcg	tgatccacc	gcctcgccct	19620
cccagagtgc	tgggattaca	ggcatgagcc	accgtgcccc	gccagcagtc	ttcttaaatg	19680
ctgattttca	aataacttat	ggaaataaaa	atgctttgat	ttttaaagat	tgtattgtct	19740
ctaatttttc	tctaacatac	tttattattt	aaaaatatct	acattattag	attaaatatt	19800
atatattggc	atttgaccac	tttatttgta	ctcctaaaag	ttgatatatg	tcagggtggcc	19860
agatatgtta	tttggggcca	tttgggaaaa	tacaagatta	ccttatgttt	ggggctcatct	19920
tatattaggg	catatgaaaa	atcacatagc	aaaccctagt	ttttacctct	gttccttttg	19980
gatgacaaat	ggctcttact	gggaaggagc	ccagctcagt	taattatttt	tttgagccca	20040
gcggaattaa	aaaggggatt	ttacagagaa	actgaaaatg	agttttttgtg	ctgattgtgc	20100
cactaattgt	ggctcttagac	atattacctt	cctctcgagc	gtccatcctc	tctactaagt	20160
ggggacattg	aacaaggcaa	tccttatgtt	cccaagcaaa	tctgtggttc	tctgaccata	20220
aattgatgat	acaatcaggg	ttagtcacga	tgtcctatta	aagagagaaa	atgagatcat	20280
attacagtca	gacaaaaatg	gagctagaat	caagttaatg	gatagaaagt	gtatttatag	20340
ttttccttag	taaaaatttt	aagtgagaaa	gtaaaaccat	aatttttaaaa	attgcttatt	20400
tggctctgct	tgtagccatc	tgtgtttctt	cagcatgcaa	ttgttatttt	ctcatatctt	20460
cctcttactg	gctctgcaga	attaatctta	ttggttctta	gaaaaaaaaa	tcacttttaa	20520
gcataatgtg	gcagaaaacat	tttaaaacct	ggcactcttg	caagttctaa	atgacatgag	20580
taatcatctt	acaaggaagc	taacatcccc	cttcattttt	tgggccctag	aaaaatgccc	20640
ataccaatat	agacagcttt	gatgtgaaga	cggattttgt	tctgtgtata	gaactctcct	20700
tttagtgatg	caggactcac	attgccagct	caagtgtctc	tgtggtaatt	ttatacctag	20760
aggtatat	tagaggggaa	tttatttgaa	attgacttga	ccctttattt	tccttgatat	20820
ttttagatat	tgaaaaagaa	aagtgggtta	catggctcat	ggaggtattt	taagagcaga	20880
gagcgaacga	tagttgaaaa	agcagttttc	ttctgaatga	cagtctgaat	gtaaagtcaa	20940
acaaacccaa	aaagtccttc	cagtgtcata</				

tttttttttt	tttttttttg	ctggaaagaa	gtactgggta	gcataaaatg	tttcctccca	21240
tatcgtatat	gtgaagatgg	tatgggtggc	tggcagaact	tgggggtgaga	gagggagaga	21300
ctcttagtta	catggtgact	ctaagcaact	ctcactgggt	tgggaaagag	tgtctgttta	21360
ttcttgagg	tactgaatt	gcaatttcac	tgttgctctc	aaggcatgag	gacatttcaa	21420
aaaatatatt	ctttcttttc	ctctgcagga	aggacgtttc	ctactcacc	ttacttttca	21480
gtacagcttg	ggccaggaca	gctgtcactg	tttaacctcc	tgaaagccta	ttctttgctg	21540
gacaaagaag	tgggatactg	tcaggggata	agctttgtgg	ctggagtcct	gcttctgcac	21600
atgagtgaag	agcaagcctt	tgaaatgctg	aaattcctca	tgtatgacct	cggcttccgc	21660
aagcagtaca	gacctgacat	gatgtcgtg	caggtgaggc	acttgtgctt	cccaggaag	21720
gtgtgagact	attaccagaa	atcctggccc	tcttctcaat	tattacagtt	cagattttaa	21780
gaaatgtaga	gccattgtct	tagaacttgg	gtaaagattg	gggcatgttt	tagttcactt	21840
agtgtgggat	ttgctattta	ggtaaaactt	taagtgtatg	agaccagag	gcagaatacc	21900
ttttccataa	aattcctgaa	gtaagttaa	aagttaattt	agaaaggtag	gtgatgagga	21960
cccagtcctt	tatgccctaa	gtctatgggt	tacatggaga	aggtatcaaa	tcacttttat	22020
tcactttttc	tcaacttctc	agttgaaaag	gctcacagat	cttttggtta	caatctgaaa	22080
gtatctttat	ccctttactt	ttgagtacac	aaatagcaga	taccatgtta	tggttctttt	22140
tgaacttatc	attgatatac	ccccctctt	atcttcatgt	aagataggcc	tttacagagg	22200
aaaaagtgtg	aaagccagtg	gtgccttttc	agtctgcttt	gtgtgtgtgt	gtgtgtatgt	22260
gtgtgtgtgt	gtgatggaat	cttgctttgt	tgcccaggct	ggagtgcagt	ggcacgatct	22320
cggctcactg	caatctctgc	ctcccgggtt	caagccattc	tgctgcctca	gcctccccag	22380
tagctgggat	tacaggcagg	tgccaccatg	cctggctaatt	ttttttgtat	ttctagtaga	22440
gatgggggtt	caccatgttg	gccaggctgg	tgttgaaact	ctgacctcag	gtgatccgcc	22500
cgcctcagcc	tcccagaatg	ctgggattac	aggcttgagc	cactgagtct	gctttttctt	22560
gcaggctctg	aagaagcacc	attaagattt	tccaggattt	ttgagtgggg	tattaaactgc	22620
cactgctgtc	tttagcctac	ctcagactcc	ctgtttgcac	atttctctcc	tagttttcac	22680
ttctctaagt	gggttggttg	ctaataagca	gtttaaattt	tgtctataga	tacttaaaca	22740
accactgcct	ggcaatttaa	agctttcagt	ggttaaaaa	ataaaagaag	actttaaaga	22800
ggattctcag	gtttttcttc	ccttgaaatg	aggtatgcac	gactcccagt	tcatacata	22860
actgtgcttt	agataagaag	taatagttta	aagatgcttt	taaaatatac	tatttttttc	22920
tgtttccag	agatgagttt	tttgctttta	atatctcagt	tgccaatgta	taacaaaaga	22980
attgtatttt	tagtctgagc	gttatagtaa	atgatatttt	ttgagagtat	gaatggagat	23040
gaagtattcc	atttttcttt	actttctgaa	ggtaaaattt	tgactgggga	gatagggcct	23100
tgctatcaac	attaggtttt	ctgggtgtgag	ttcatatgat	ttgattcctc	attgatgact	23160
attcgtaggt	ttaacaagtc	aaataacaac	tgtggaaagt	tttatttttt	attcctaaag	23220
agtttacctg	tatcttttta	tctttttatc	gttttttttt	tttttgagga	cggagtcttg	23280
ctctgtcacc	caggcaggag	tgcagtggcg	cgatcttggc	tcactgcaac	ctccacctcc	23340
tgggttcaag	tgattctcct	gcctcagcct	cccagtagc	tgggattaca	ggcatgcact	23400
accataccct	gctaaatttt	ttgtattttt	agtagagttg	gggtttcact	gtgttgggca	23460
ggctggtctc	aaacttccgg	acctcagggt	cttgacctcc	cttgacctcc	caaagtgcgt	23520
ggattacagg	cgtgaccac	tgtgcctggt	cacctgtatc	ttaatatcag	ataggaatca	23580
gatggctctg	taaggaattc	aataattctg	attttcagaa	acaacgggtt	ggtagctatt	23640
attagaattt	caaagataca	gggaagtacc	tgtgagtatg	gtttgatctg	gggtccacaga	23700
taaaaggata	atagctatca	gtttaaaaat	acaatgatat	ttcaacttaa	aaattattca	23760
tcaatttgac	attacaaaaa	ttcatgtaaa	tgggatttat	acattcattt	aatatggact	23820
gtaagtacca	agaagtattt	tatgtctata	attttgaaaa	tgcagatggt	taaaaatctt	23880
tgggtgacag	attgctgtag	gccgcagtat	tggggacctt	attctgggag	agtaggtcct	23940
tttgcatctt	aaagttagat	ataacacttt	tccactttct	agagcaggag	gtactgtttt	24000
gggtatagcc	aataggatgt	ttagaagtgt	gcttaaatgc	ctcttgcatg	gggtttggac	24060
tcactccaca	ggattttctga	tttcttgctt	ctctcttggt	ggcttgggtg	ctccaggcct	24120
cagttacctt	atctgtaaaa	tgtgtaaaa	cttgcttcag	ttaccttatc	tgtaaaaatgt	24180
gggggttgag	gtctttttca	actttaaata	catgtatctt	gtcacgtttg	tttctgctgc	24240
tttctgtgtt	aagcataaag	acattatata	ttttctctct	aagttttttg	tctctacttt	24300
tttttcatct	tctctccctt	accttatctt	ctctctgtgc	atctttcctt	ctccagttca	24360
cctctttaat	ctgcagggtt	gccttggtat	ctataagggt	gaattgaaga	attatttgtt	24420
cttagaaaa	agaattttat	cattaaagct	ttctttgaag	gaagcctgaa	ttgtgttctt	24480
atttgcccaa	atatcccttg	atggaagaaa	ctctcttaac	tcccatttga	gtatgtgcgg	24540
cagggtaggt	gggaaataag	attctcttta	aaaaattaca	tgttgaaagta	ttgcttcttt	24600
ttataatcac	aagtgaacaa	gaacagtgtg	cttttgatga	cgtgctttct	ttttatgctg	24660
ctaattagac	ttttttgatt	tttgtgctta	ccaaaatact	aactcttttg	ttgatagatg	24720
ctcagaattt	ctcgttttcta	cgatgtaaat	ggtctaaagg	aatgtatgtt	tttttttcaa	24780
catgattttt	tgagataata	atctcattaa	aaaaaaactt	tgactccagc	taagcttctt	24840



attttatagc	tatgacttcc	tgtggctctt	taactccctt	ttattttacag	tttgtgtgga	24900
aacggagttt	ctaaagatat	ttgtttgtgga	taaggattga	acaaacaatt	ttttgtattt	24960
ttgcatagtt	tttgattttt	ttccaaagga	gtctgttgat	ttttagtctt	gtactctaga	25020
aataattggt	gaattcacaa	cataattggg	tatttttatg	tattgtcata	gagctattta	25080
agagtgatgt	tttaataatt	tcttctagt	aaagaagttc	tgctagattt	aataaaacat	25140
tttatacatt	tttacacca	aatatcaagc	caatataact	gatcagggaa	ccatcactta	25200
tctcttaact	gtgtggataa	aaattttaat	taaaacacaa	ttcacaaatt	tgtttgttac	25260
ttactactgc	tttatctgta	gtatcacaga	tatgagttta	aaagtttctg	tatgtgtctt	25320
ttatgatggt	ttctgaaatg	ccaataacca	actcagtagc	caaattgaaat	aattttttct	25380
tttagttcta	gaaatattca	gaaacaactg	cactttttgc	cttaatcacg	tttgtcatga	25440
aaaaatgct	gctggaataa	cttgaatatt	agaaataaat	ctcaagcttc	tggccctgta	25500
acattcgaag	ctttaattct	ctcctagcag	tgcagattgt	ctggagagcc	agaactcttt	25560
cataaatcac	atgctgggtc	cagtaaatag	aaataagctt	ctgcactgaa	catggtagat	25620
tctttagaat	ggaggctttt	ctggaattag	tctgaaatta	gaagggtatt	tctatgaggt	25680
tcctgagcca	ggactgttct	cattaaattc	caaaagcaat	gcctccctac	agaagaaaaa	25740
attccatttc	tttgtatgta	tgtgatgctc	aaacacacgt	gatagagaaa	cttgtcagt	25800
cttcttagat	agactttcag	tgacttgctt	tatgaattca	gttaagttaa	cttggatttt	25860
agtatcaact	ttaaaatcat	aaaaataaag	taatactact	tatatatgtg	aattttgttat	25920
taaataattag	aataaaaatta	aaatcagtgt	gtttgatgca	catgcagata	aatgcataat	25980
attttttttc	ttctccaaat	taactttaga	ttcaaattga	ccagctgtcc	aggctccttc	26040
atgactatca	cagagatctc	tacaatcacc	ttgaagaaaa	tgaatcagc	ccagctcttt	26100
atgctgcccc	ctggttcctc	acattgtttg	cctctcagtt	ttcattagga	tttgtagcca	26160
gagtttttgg	taagagatac	ctgtaattaa	atggaacagt	attattttatt	ccaaggacta	26220
tactttctact	tctagccata	tgatgcccc	attgttctat	catgtgttat	acagaaatgc	26280
aaattgctaa	tggaaatttaa	taaatgtgcc	tggctgtggt	ctgacagtaa	cttaaaatca	26340
tacttgtctt	acataaaaatt	gaaatttaaaa	aggaaaggag	aattgggctc	ctgtatttga	26400
gtcagctgta	atggagctct	tatttttcatt	tgtgcctaaa	aatcagagag	tatactccta	26460
aaatctggac	tagggacaga	ctgtgtataa	ttttccagat	ttttatatac	atgtttctac	26520
ccccattgtc	ttcttcattc	tgcattcaaa	acacagagaa	atatgttctt	aactgtatca	26580
atgttgtttc	taatggcatt	tcttaacctg	actttttgtt	gttaacagaa	taactttaca	26640
tcctgtttca	ttgctcatgt	gactcttctt	tcatgccaat	gcagtgtctg	gggacagtct	26700
ctaagactgg	tggctcaggg	aaaacactaa	gtacagtcag	tagagctcag	ggcaagttac	26760
tgagtaact	ccttgctcta	agcacagtgt	ttggcattgg	gaataaaaaa	agagtgtaac	26820
atggtttatg	tcccccttga	agggccttaa	atctatttcag	aagtctttat	actagtctaa	26880
gtctgttatt	taaaaagcaa	aaatttaaac	aacaacaaca	acaaccaact	cttcattcaga	26940
ggtttgttct	aatgatgttg	tttaggacct	cagtagcctt	agaaagggtc	cccttaattt	27000
ttatgttctg	ataatctatt	tagtagacat	gggcaaagca	gtcagtattc	actcacaact	27060
gcacttctgt	taaattggag	ctttttgtca	aattgtattg	gcgccattgt	aggctattgc	27120
cagtgtttga	aaaaatgaaa	cagcatttag	tgaagatatt	agggaatatt	acaaatagta	27180
aggaaatatg	ttgtttggag	aaatttggtt	tgaggatata	tgtgtaaatgt	atatatatac	27240
cagattacaa	ctatgatata	ctttcttatt	cagggtgtg	gtttaaaagt	taaacactgc	27300
attagttaga	ctacaattta	ttaaatgcag	gaaagagtag	aagtgaattt	gcgctgaatc	27360
aaatgttcac	cagatttctc	ttgtttattg	aatatacact	attgtctttc	tacagtgaca	27420
ttttctctgg	agcttgggtt	cctattaatg	ggtattctat	aaatcctttt	gtttatatac	27480
atttttcttc	ccagagaata	gtgtatcaaa	tcaaaatgat	gtttcagggc	acctctcttt	27540
tacttaccct	tggaaagctg	atatcaagag	ttcaagaaac	aaatgtcctc	agtatcagtt	27600
ttttgtcatg	agaatacaaa	tgatgtctgt	ggctatacaa	tagctgttca	actctcttct	27660
ttgaatttat	aaaacaatgg	agactggcag	gaaatggaaa	gatgcattgag	caagaagaat	27720
tactatgaaa	taatgattct	atggttcctt	cttcattaaa	gactccctgt	tgtatattat	27780
tgattaaaga	atgacataga	ttgagagaaa	cttttcataa	aaagtactaa	gtacttgata	27840
cttttatttc	ttcttttttt	tatttttcta	agactagatc	ttgtctatt	gcctaggctg	27900
gagtgcaggg	cacaatatca	attcactgca	acctctgctt	cctgggttcg	agcgattctc	27960
ctgcctcagc	ctcccgagta	gctaagacta	caggcatgtg	ccaccacact	cagctaattt	28020
ttgtattttt	cgtagagacg	gggtttcacc	atggtgacca	ggctgggtctg	taactcctag	28080
cctcaagcca	tccaccacc	tcagcctccc	aaattgttgg	gtttacagat	gtgagccaac	28140
acgcccggcc	tagtacttga	tacttttcaa	aagtattgca	tgtttgattt	tgtaggaaag	28200
cagggtcttag	agttagggta	gctcttatat	ttctctcctg	attgagggtg	tatgtttttc	28260
atttgtttta	atttttctgt					

gttcatggac	agagatatat	actttgtcct	tttttaccct	ggctttatct	gagattctta	28560
agaggaatat	taaaacatct	gcttatatgt	ttagttatat	tgctttttta	aaaaaaagct	28620
agatgctttt	gaccagtttt	cttctgcaaa	atacataaaa	caagtaaaca	aaaaccttta	28680
gcacaaatag	cgtgcttttt	acaagagtgg	atgcatagtt	ttgatcatga	aaattatata	28740
tcttctttta	gatattattt	ttcttcaggg	aactgaagtt	atattcaagg	ttgcactcag	28800
cctactgagc	agccaagaga	cacttataat	ggaatgtgag	agctttgaaa	atattgttga	28860
gtttctttaa	aacaccctac	ctgatatgaa	tacctctgaa	atggaaaaaa	ttattaccca	28920
ggtatgattt	aaatgctaata	agtattatat	agcagttttc	tctactgaat	atatattaaa	28980
tgcttttagcc	taaaaatgta	gcttttgcttg	acagatattt	tcatcagata	catttttattt	29040
agaaagggga	ctattgtgaa	atctctacac	tgtgacattt	tctatctggc	tatgcacaaa	29100
aaatgctgtt	tagtgctacg	taatgagttt	ttcaggaatc	ctttcaattt	aaaccaatgc	29160
taaaactgaa	gatagaactg	acagagtcaa	gaaggcctga	gaataaaaatc	agatcctctt	29220
gcctttgtta	tattgttaata	tattttgttaa	aataaacgaa	gaggacacgt	ggcaggagta	29280
caggcctttg	aattagaagg	tattgggttt	gcactctactt	ctggcctttt	aattgggtgt	29340
ttggcttgca	cacatcagcc	taatcatcca	aaccctagtt	gtccagaatg	ggacagtact	29400
ggacaagttc	cagaatggga	tgatactgat	ctgagaggtt	ttatgaagct	tcagtgagga	29460
gacttggtgt	atcagtcctt	gtccctacag	gaaacattct	ccctccgatg	attcaaata	29520
aggaaccatc	tataaagggtg	tgggttaggcg	taaggcaatc	caacacagct	gtccagggtgc	29580
gaaggaacta	gtaacatagg	gaagctgttc	aaacccctgc	tgcaaggagg	ctaagtggag	29640
gatataatag	tgttactagg	cccaggggag	gctggaaccg	tggaaggagg	ttctgtgctg	29700
gttggttggtg	tcttggtgaa	ctaggcagag	agagatcagg	gaagaaatac	ccaacctctt	29760
tctcctgccc	cttctgatct	tgtgctggca	tcttctattt	gccaaagtga	accagaagcc	29820
agccagaaaag	taagtgtggg	gaattgtctg	cctgccaggg	tacaatagaa	tggatgaggg	29880
cagagaattg	atctgagaag	caaattgaga	gtaatctgca	caccgtatgt	gtagtccctg	29940
actcttcata	gggaccagggt	gagtggtagc	tatatattgc	tgccgttcag	atgcagtggg	30000
caagcttaag	agcagcttga	tagatttgac	aattatgctt	tatgagcatt	gataaagttt	30060
accactttcc	tgaaggcact	tttgatggca	gaaagacgat	agggttttaga	gaaagggagt	30120
ttggaacctt	gttctggtgc	ccagccattt	actagctgtg	tacctatggg	caagttacaa	30180
cctctctgag	tctcaacctc	tccctctaca	aaatgggaat	aacaaaagta	gattctatta	30240
tagttttgta	ttatttttagg	agcaaatata	accaatatgt	taaagtattt	tgtaccctgt	30300
aattcatact	ataatatgaa	ctcttattat	attaatacat	gtaaaatttt	atttccatta	30360
catggaatct	aaatcacaaa	tatctataaa	tagttttgat	ttgttaaaat	gctctgtaag	30420
ctgaaaagtg	tagcttttat	ttatataattc	acttgtttat	aaatttttca	gaaatatctt	30480
tcttgactgg	aatcagatat	tatgctttta	gagatttgaa	atcagatatc	acctcccttc	30540
taaaattaat	gaggaaattg	cctggcttta	tagattacta	ttgggattaa	tgagtagaat	30600
ttataggcag	gtaaaatttga	acttgatatt	ggagagaatt	tactaacaat	tagagttgat	30660
tactgtggaa	tgaaatgctg	atattaaggg	agactttgat	gaactttatt	tatggacact	30720
ggaaaaaaat	gcaataaatg	cagaaaaatca	caagaaaata	aaagtaacta	taaatctcaa	30780
catctagaga	taacttttga	aactttgtat	tacatgtttc	tttgcttata	tatacatata	30840
aaaatatata	aagttgtaca	taaatgaaat	catactatat	atactattgt	ggaacctgat	30900
ttataattaa	aaatataaag	tattagattt	tttccagtaa	ctataaatcc	atattatcat	30960
ttttaatggt	tgtataataa	tccattgtat	ccatacccac	taagtaagga	aaagatgatg	31020
gttatttgag	gataaccagt	tagtctagaa	attctcttat	taaaattcga	atgtttgagt	31080
atctctatta	gtaagtagta	gagtaagtca	ggttttttgt	ggtttctttt	ctcttctcag	31140
tgtagtagta	gacaccattg	cttgaatagc	agctgttgtc	tctccttccc	cctaggaagt	31200
ttggagtaac	tgctctctag	cttcaaagca	aacgcacttc	ctatttagtg	gtgacatggg	31260
agagcagtga	cagccctaata	taaaccttac	agccctggac	agtgtctaca	gtgtgcaatt	31320
ttgaggattc	tctgtgtggt	acaatatgta	aatgactctt	aagaggctta	cagggaatag	31380
caaatggatg	caaaattttta	ttagatctt	tctgtctccat	tggcaaataa	attagaaatg	31440
cttttggttg	ctttattaca	gtaataccct	atgcaatttt	gcttactaat	cagcagagat	31500
tatctctaac	ataataatta	ctcaataact	aatgttggtt	atctagtata	ctacattttg	31560
ggagacagtt	actagattat	gaatatctta	gctgccaaat	acacttggac	attaatttat	31620
tctagggact	tagcttcatg	agaatgtttc	aattgcatag	aaataatcta	tctgttctgt	31680
ttttaaaagaa	aatcttcttt	cacagaaaga	gctatctggt	tttatgttga	cagtgtaaac	31740
tatatctaatt	tattcttctg	attgacagtt	acactttttt	ttgctttttt	atgctttta	31800
gttcttcatt	aataagattt	tggaaatata	catgaaatat	accaagataa	acaggctgta	31860
tcttggttata	cataccaaag	gctagcctaa	cccatgatac	tttcatggca	ggtttttgag	31920
atggatattt	ctaagcagtt	gcatgcctat	gaggtggaat	atcatgtgct	acaggatgag	31980
cttcagggaat	cttcataattc	ctgtgaggat	agtgaaactt	tggagaagct	ggagagggcc	32040
aatagccaac	tgaaaagaca	aaacatggac	ctcctagaaa	aattacaggt	aaagaaataa	32100
agatttgagc	aaataagtac	ttcaatgcct	cctgcatgca	cagaactacc	tcagggaatga	32160

aagggatatg	tgcgtggaat	gaaccattgc	taaccaagag	cccatgtatc	agactgtcca	32220
agtgtcttgg	ggctacaaat	gacatgttaa	attaacatt	acttgaaaa	aatgcaccc	32280
tcacaaaata	gctaaatggc	agttcaaagt	ggaatctgct	taaatacctg	ttgcatgtta	32340
tagatatttg	gttaaattaa	agggaggagg	aattgaatgt	aggaaattga	tgaagttgtg	32400
aaggacctgg	gcttgagctg	gaatctggag	ggttggtgga	agaaatgagt	gaggagggtc	32460
tttaagtcag	gctgagtagg	aggggtggcat	caatcagaag	gacatggcag	agcagcaaag	32520
ttagcctagt	gtcaatttaa	gatagaggtt	ggggagaggt	agggtaata	tgatagaggc	32580
agaactgtaa	gtgactttca	gtgtcaagcc	aaagaacatg	gctttaatcc	tgtcaagagg	32640
gaaatctctc	aaagtttttg	ggccatgtcg	tagaaagatc	aatctgggaa	ccttgacgag	32700
gacagattga	gatgggagag	aaggtaagga	ggcctgtctaa	aagtcacttg	tgaaaatctg	32760
ttgcgggatga	tgagagttgt	ctagactaaa	atggaaattg	gaagagaggg	agacatgtct	32820
aggtaaattg	aatcccattg	aaatgttaca	tgtaatatta	atacatcatt	cctgccatca	32880
gggagttcac	aattatttga	gaatataaaa	tactatata	ctgtctctaa	gcgcacactt	32940
atacatgcaa	taagaaattt	attataaagt	catattcggg	atttgcaact	tgtatgatgt	33000
gtgctatgta	gccatgccct	gagggggagg	gcttaagagt	gatcacagga	tgggggctag	33060
caggtgaccc	tcttagaagt	ttcggggaga	tgacttcagg	ggagtttcag	tgtctaattg	33120
ctctctgggt	ttccattact	cctctctctc	atttcccaa	cactgcacct	ggctacaac	33180
tggaaaacac	taaaactctg	cttctatatg	gtgagtcctc	tgtcaagacc	agtcaagaga	33240
gacaggttag	aaatgaggga	tctctaaagt	agttgtcttc	caagaatggg	aacactaaac	33300
ttccttcgct	ttgtcttaca	ttggctctgg	ctcatagaaa	atgtaaatct	ttttttctat	33360
tcaaaaaagg	gcaacatact	ctattttcaa	aaagaaaact	aaatggttag	tatattgtcc	33420
attttttagtt	ggataggtca	atggcgatta	attatttgcc	ccttattagg	gaaggtgggt	33480
ttgtacctgt	tttataatga	ttcgtctgaa	ctgttgtaga	ctttttcact	gacagttcag	33540
tgtagtcatc	atcagttact	tggccaccct	tcacatctat	aaatactgat	gaaagcccaa	33600
gtgtatgttt	agagaacgcc	gtatttcagt	cagagaagga	aaatctcttt	tagcatgtca	33660
atagtctcag	gaatctcctg	tttctccttc	agccaggcca	gatcccactc	actcagggga	33720
acaccagtgg	gtgtagaata	aggattccta	ctgttgggtga	gggggggtgat	ttagtattga	33780
attattcgtg	tgttcagtga	gaagagatga	agcatggtag	ttccatagtt	acatctttgt	33840
gaaacctaatt	aaatcatcgt	ttcctgtagg	ttttcagagt	atttgcttca	cataatattt	33900
tattaagtaa	tttgaagtaa	ttgggttaata	tgtgtaagga	ctgtctccta	ctataatgaa	33960
tcatttgatt	tggaggattt	tttccccccc	aaacaggtag	ctcatactaa	aatccaggcc	34020
ttggaatcaa	acctggaaaa	tcttttgacg	agagagacca	aaatgaagtc	tttaatccgg	34080
acctgggaac	aagaaaaaat	ggcttatcaa	aagacagtgg	agcaactccg	gaagctgtcg	34140
cccctggatg	ctctagtcaa	ttgtgacctg	ttgctgagag	acctaaactg	caaccctaac	34200
aacaaaggcca	agataggaaa	taagccataa	tgaagaggcc	acggcctcag	cagaaagtgc	34260
tccttagaat	actacagaga	ggaagagcct	gcactgtcgt	ggcccaaggc	tggaccctga	34320
agctgatgga	accacctaat	actggtgctg	agcgctagt	cacagcaggt	ggacctcgtg	34380
ctcatcagag	catgccaatc	ctaagccatt	ggacatatgt	agactggttt	ttgttgttgc	34440
tatgtacata	taaatatata	tataaaatga	acatagttca	tgtcttcaga	taaaatgagt	34500
agatgtatat	ttagattaat	tttttttagtc	agaacttcat	gaaatccaca	ccaaaggaaa	34560
ggtaaactga	aattttccctt	ggacatatgt	gaaatctttt	tgtctttata	gtgaaacaaa	34620
gccagagcat	cttttgtatat	tgcaatatat	ttgaaaaaaa	tgaatgtatt	tttttttcca	34680
aagaacagca	tgtttcactc	aatggtgaaa	agtggaagaa	atttatgtaa	ctttatgtgt	34740
atctgtcttg	atatctactg	acattgtcta	ttgaggaaaa	atgattactg	gtcatgtctc	34800
tgtgagtttt	ttgggaaggt	agggtcattt	ctccctgcct	gctttgtgcc	aactagcatg	34860
ttgcatctac	atgcattatg	agtctggtta	ggcattactt	taaacataca	taaagagaca	34920
gtaggacatt	gtggctgagt	ctaccagct	caaggtaaag	gagaatgttg	ctaatttttt	34980
agcaaactag	accagcatta	ttactcaaac	taaaaatatc	acacctgaaa	aatttaattt	35040
aggacctaaa	atgtctagat	tagctttctg	ctttttttat	ttgaataact	cattcagttg	35100
tgaatgaatt	cctcttttat	tgggtgccaca	gtcaccaaatt	gacaaggatt	tgccactttc	35160
ccaccaaaat	gtgagtgtct	gtaattttagg	ctctcttacc	ttaaattcag	tataaggaaa	35220
cgtaaatatg	attgattttt	tccaaagatg	actagctgtg	ttgaaataca	ttttttcttt	35280
tgcacaaattg	acagaatcta	ataagcttta	ataatcttcc	ccttttatgt	gaaaagtttt	35340
gagaactgtg	aaatgttttg	gaacaaactg	ttgaaatcca	ttggaaggga	aaaaagaaag	35400
tggtaccagt	gttaccagct	caactaaaac	ctgcaattct	gcatttcaac	tcttcacttc	35460
ctcagcctac	aaatagctca	ttagatgaca	ttcacgcagt	ctgggtatag	gcaaggaaag	35520
taatttttcaa	agtacatttg	cagttctctt	tttcagagat	gattctatga	tagtgcctct	35580
gaaagttgat	gcagcatttt	tgccttt				

acttgttata	gctcagtgtg	cccttgaatc	catacagttt	cttaaaagac	aataaaatct	35880
tattaataaa	gttaaatgtaa	cttctaagtt	ctagaaaatg	ctgattctgt	ctgccccatt	35940
caattggggg	ctactaattg	atltgttgct	tggatttcct	gagaatttct	ctattttag	36000
gaggggtttt	ttctttttac	gggtctgttg	tgacaattac	tttatgggtg	tgatgcaccg	36060
atggtagcca	aggaatctgt	tggggaagtt	cggaaagaaa	ccttttcttt	cttttattca	36120
gtttaaagta	aactttatcc	tggatgttta	gaatcaacat	taagagttat	attatgggtg	36180
tcagagatta	agctgacttg	gatacaatat	tttcttttga	aaatgaattt	tctttttcat	36240
ttgtgatttt	taaaaaatgt	tgcaccagtt	atgcttcattg	catcgttaca	tcttcattcag	36300
gttaaatgtaa	tgtctagttc	cttttgaata	aatatattgc	tgcagctttc	tt	36352

<210> 9252  
 <211> 7513  
 <212> DNA  
 <213> Homo sapiens

<400> 9252						
aggtttcatc	gtccataacg	aagagtgaga	ctatttggaa	acagagactg	atcatctttg	60
ggggaagccc	tgttctctga	aaacctgata	ttgcactggg	atttgaatgt	gtgtgtttcc	120
gtttaacttg	tggtgaagga	agtgtgtgac	tcagcttggc	tgggaagtgc	tcctcacctg	180
tgtggccag	atggctccaa	caagcaaaag	gaaggatgca	gtgactcttg	ctgcccagaa	240
tgcacagcga	tggttaagaga	caccgtggat	attcttcattc	agaagcttta	atcaaagaag	300
atgagcagaa	gacaatcact	ggctccctgt	taccagaaaag	ccaaatttta	taatgctgggt	360
gaaagaaaaa	tatagattaa	aattgctggg	cactgaaaag	gggtgggagt	tggaaatcag	420
aaagaaagag	aaatatattca	ttatgttaat	gaagaaaaga	gaaaattgaa	gcataaatgt	480
atlttttgaag	tagttattcg	gtagctgaga	acttattaag	ggatttagga	atttaacctc	540
ctgatgtgga	ttcctcaaaag	acttgatcgg	agaatactct	tgtttcacca	ttatgtttgg	600
acagtatagt	accattattt	tatgtttgtg	cagtgaatcc	agttgccaga	aataagtctg	660
aatgtttttc	tgcatttttt	tcttaaatgc	aagagcttct	actgactctt	aacaagcatg	720
cttaccctaa	ttttgttgca	tgtttttaag	tagcatttagc	tatgcacact	tgacattttt	780
aaatatccct	ttcctagtgt	accagccttc	acaggataag	aggactggga	ataaagtcag	840
atgtaatgtg	accctagaaa	actgtagcaa	gcttcagaaa	taaatctttt	gatctttccc	900
tatcttgatt	agatccaaag	tcaaagcaac	catacttcac	ctagagaaga	cagtattggc	960
aatcatgaca	cctgtaataa	aaacttgaat	ccaaagtcaa	aacttaagca	agatacaaat	1020
gtgctgcctg	cagttagtcc	tgcattgggaa	taaggactag	ttattttttt	agtgtctgat	1080
tttttttaaag	ttggatttgt	gctattttaa	aaaaaaaaaa	ggacacagat	caaaaaaaca	1140
cccaaaggct	taacagaaca	tggaaagttc	ccactaagtt	gtgtgtgagg	aaatcctcat	1200
cttgtatttt	aagaatctgc	agatggcatc	catagataca	gtacagtatt	tactgtcaat	1260
gcaaaagaat	cagttaggtt	aaagttagtg	aagttttccc	tatgagccta	cagtctgtat	1320
tgtttacatt	aagaaactct	ctattattgt	gttgctattt	tccatggagt	cacaggcaca	1380
ctatgacttc	tgtccctaaa	tacatatgac	catatgtaaa	taccaccttg	catttcattg	1440
ttcttcacaa	gtgcttttgt	cccctttaat	taaaaacaca	tgaaatgaat	aacaaaacaa	1500
gacccaaata	gagtttattt	tattctcaga	gtttggacta	caattttcta	agatgtttct	1560
ggttcaagac	tgtcattttc	tatttcaacc	gaaaagtaag	catttaaccc	ggtgaataaa	1620
tgtagatcct	gccattcatt	ggtattttta	agaaccactt	gaaatcggat	cattttattt	1680
aaaaataaaa	aatgttaatg	ccagttaggc	tactataaaa	agccaggacc	atgttagaat	1740
taggaaaagt	aaccagcatt	actgcacctc	ttgttagact	ctgtgcatta	ataaaacaca	1800
cctagagtct	gttgtcattt	cactaatagg	ataagacaaa	ttttttgctt	tgaaaaaatt	1860
tttctgcatg	cccagggtgt	tgtctctggc	tgaggttttg	tctattttac	agtgtttcaa	1920
tccagccata	aaaattaact	tgtgattttt	tttttcccaa	agtcattgct	ttccttaatt	1980
atatttttat	tttattattt	tagtgtcttg	agaaaaatac	caagagatat	aatgtttctt	2040
tttaattgtct	atgcttaatc	atcttttaaac	acttttttaa	tttctaacca	caagacctct	2100
ctataatggg	aaatgtaaga	catcaccatt	ttatcactca	aagtatgtta	ttgaaagttt	2160
ctatttgggt	gataaaagga	acaatttttt	cccacttttg	atgcctgtga	tgcaattttt	2220
tattgctctac	aattgagatac	acttagtaca	aaaaatgaaa	atctgggtatt	tcaaaattgc	2280
atttcttgta	taataggtca	gatttattaa	ctactcatac	tttttcttta	cactaatcga	2340
tacatttaga	aaaaattttc	taagtttagag	acaagttaa	aagtataaaa	aaaaaaaatt	2400
tagccactgc	tagtctactg	tttaggtaat	cggaaatcac	aattatttta	ttagaatgat	2460
ggcttgagta	aaaagctgtg	gaaagaatta	aaggattatg	agctaagctg	tattttgcag	2520
aatatgggtc	tatttttagta	gagcagagat	gagacatatc	cccaccggcc	accagccag	2580
aggctctcta	cctggggggc	ctaaagggat	gcagaggctc	ggcccaccct	ccgtgcatag	2640

gcacctctgt	ccaccaccag	cgtttcagca	atccaaccag	taagcatatg	ctgtatagga	2700
aaaataaaaag	tgtgtgggaa	ttggatttct	tttgttgtaa	cacaattcca	ggtttttggc	2760
tattttaaagt	ttgacattag	gctgacatcg	aggaagtaag	tgggttttcc	tgagttccca	2820
agatatgatt	aaggaagaaa	acaaacccat	ctccaggaag	atcccaggca	ggaaagaact	2880
agacagatgt	agaaaccaa	gtgaccattt	tagttttttt	attggagaat	aaaacattaa	2940
tattagggta	ttaagaagat	gctcagcaag	cttgatcaga	atcttcatgg	tcattaccaa	3000
tcagtctgac	aaaatagttc	tctggtagtc	agcattcatt	taaggcagct	tgccctgataa	3060
tttcctgtgt	tatgtgaagt	gtccttgca	ttcacatgtt	agctataatt	ccttaaatta	3120
cttaactgaa	atctgtaata	gagaaccatt	ttggcatttg	aacagctatt	ttacatggag	3180
aaaaagcaaa	cacatctgtt	tgcttttacc	agaaaaactg	acttttctggt	ttcatcttca	3240
tattgttttag	tagcataatg	agagtatgcc	tttatctttc	tctaattgta	gtaaatatat	3300
tctgttagta	ggaagtctctg	aaattgaagg	gaaaaatata	ttaaggaaat	aaaggaattc	3360
aatacacct	tcaaaagtca	ccaaatactg	aaaataagag	atgagtcctt	aaaacctgag	3420
tcaaaaaagg	tccagtttta	cagcctgcaa	ttaattcagg	gctgcgttgg	cattaaaaaa	3480
gaaaatatat	atatatatat	atatatatat	atatatatat	atatatatgt	atattatata	3540
tacagtagct	tacacttaaa	agaggaaaaa	tttgcattaa	cattgcata	tctgatatgt	3600
accatattaa	cacataacag	gcatttttatt	tatgcttcat	agaatcagac	agacacaact	3660
ttcaaaaatc	ttactgtatt	cacaatagaa	aagggtagtc	ttgtctacca	cagaggagta	3720
tgtccacact	taataatgaa	aacttttctt	ctttcctgcc	caaaaatttc	ttcagtctgt	3780
tattattttt	aagtgccctt	tgctgcaaat	ttcaaacaga	gcaagaaatc	ttcctcagag	3840
taggtggtat	gaaattaaac	tagtacaata	tatatgaatt	catgtcattt	acccctgagt	3900
atggtagaat	tgtaaagca	ttcttaaat	ccaattatat	gaagcctatc	attactagga	3960
aaagtatatt	ctttgggata	agaattaatt	tcttcacact	attagagcat	gttgtgagta	4020
gtaaggaact	acttagatgc	aatttattta	cagaattgtc	ccttgacctc	ttgaaatggc	4080
tagatctttc	actactgtgt	aggtagtctc	tacttactgg	taggatagat	tacattgctt	4140
tactggacaa	agcagaatga	acttatataa	ctaaaatatg	tcctatatattg	gctgggtgcg	4200
gtggccttaca	cctgtaatac	cagcactttg	ggaggccaag	gtgggtggat	cagttgaggt	4260
caggagtctcg	agaccagcct	ggccaacatg	gtgaaacctt	gtctctactg	aaaatacaaa	4320
aaaaaaaaag	tatctgggca	tggtggcttg	tgctgttaat	cccagctact	tgggaggctg	4380
aggcagggaa	atcgcttaaa	cccgggaggt	ggaggttgca	gtgggccag	atcgtgccac	4440
tccactccag	cctgggagac	agagcaagac	tccatctcaa	aataataata	atagtaataa	4500
tgaataaaat	aaaataaaat	atgtcctcca	gggaaaagca	atgacagagt	aatcaccaaa	4560
ttaataggaa	catctttcta	gagaaagtac	atgccagtt	agttcaaacc	caggtttcaa	4620
agaagtagca	ctgggctcta	ctgtaaaggc	aggcagtgac	caagaggtgg	tggggagaga	4680
ggtagagtac	cctcaaatca	ttcccatttt	cacttccaat	ttcccttttg	taatcattaa	4740
gcttaagcta	tgtatggaaa	tgcaaaagcac	cattagcatt	tctagaaaagc	agctggaacc	4800
ttaccacaca	atgctttttt	gaagacagta	tcaccccaaa	tttaaaaatc	ctattgtata	4860
tgtttgaaaa	tttctggcaa	agaaatggag	gatcctgtgg	cagctatttc	cacctaaagc	4920
caaccctata	aggatgggtc	attttttagc	catgctagga	tttactgcac	acacaaaaaa	4980
tgtcatttag	cttgtcacat	tgctagcaca	gctgcacata	tgagcaaagc	actgttggtc	5040
tgtgtttctc	agtgggggta	ctcttggcat	ttggagctgg	ataggtcttt	gctgtacaga	5100
atcatcccat	gcattgccag	atgtttaata	tcccaggccc	ctgctgacta	aatgtcagta	5160
gcattctcag	tcattgtaaa	caccaagaat	aaaaagcatt	ccccaggtt	caaatgccct	5220
ccctgggagg	ttggtatcac	ctccccctgaa	tgccactgtc	tactgcattt	tgaggacaca	5280
gggagaaaaa	gtgcctatcc	tcaaacattg	tctctgctgc	cttgcatttc	tttgggccct	5340
gaatggtttt	tctcccttca	ttttctgagc	ctttctctca	gtgcagctgt	tcttcaggga	5400
ggaggttact	gggcagcctt	ggccattcag	tgggcattgg	gacttggcct	agtccctata	5460
tatatatact	taaagtccct	atatatactt	aaaggagaga	tcatacatga	agaaagcttt	5520
tttttttttt	tttttttttg	ccttacaact	tttcttttaga	accacattat	tggtcataat	5580
ccttgttact	gtcatgagga	ttgttgcatt	ggttaaaccac	aaacacagac	tagcaatgca	5640
cttgaacaaa	cctgggtggc	tttggaataa	aatcaccatt	agatttcacc	tggttatgct	5700
gcatcccata	agttccaaat	gaatcacctg	cttatcctat	taacgaagca	tttaattcac	5760
acacaaatgc	ttgaattttc	cctgtataaa	tgtagtcatt	cgattcaact	tttctaataa	5820
gatttgtgaa	tgctgcatca	tgatgaaaaa	gtggattaac	tgtgggttgc	atgcctgttg	5880
ttcatacttc	agtgatggtc	acacacaaaa	caagatgagt	tttacttagg	tgaacatta	5940
ttaaactgta	ctaacaatac	agaaacatat	tctctttgtc	gctttttatc	accaaactg	6000
aatggcaaat	atgtcttgac	attacttgga	tgaactgtgg	ctagcaaaat	ggaattaaat	6060
tagccactat	aattttttta	aacattaaag	tttctaaatt	gtttttgggg	ccgagtaacg	6120
cagagtcaat	aaaggtgggt	atattgtaag	cttttagatg	gtgcttaaga	attcttatct	6180
ttttaaatag	cagtattttt	tttttaagaa	taaattgtaa	ggagcaataa	aggcagaatg	6240
ccactctacc	ctcagggtcaa	ttttatggta	tatgaaaatg	ccagtaatat	ttgtgccact	6300

tgccaactcg	ggggaggagg	ggcttttccc	ttactggata	cttttggtat	agtttgacta	6360
tgtcattatg	ttgttttagag	agcctccaca	atgagaagtt	gccactgcag	ggctaactcg	6420
ccttcagaaa	taatcagaat	gattcaaggg	tcaaaccact	ttcatccctt	aaaatatagg	6480
gactaatatt	tctttttctt	ttttttaaaa	aaaacatttc	ttctgtggct	tagaaatgtg	6540
ccagtgtgtt	caaaacattt	acaccaattt	caccagattt	aggacctatt	aaaaattcaa	6600
acaagtttct	tttttttttt	tttttttctg	tgtaacaggg	attttttaaat	aacggactat	6660
atgcattctt	ttgttatttc	acacttcagt	taaagtgata	acaatggtaa	actgtgatca	6720
ttatcagact	gactgaatgc	tttctgattt	ccagtgagtg	atctagttct	acgtattaca	6780
caggtgtaat	atctgtgagt	gtaaataact	ggaactgtac	actgattaac	atgacagttt	6840
ctcttttgtt	gttcttatct	gtactgtatt	atagtatgtg	ggtataaata	tctacaagta	6900
tacacacata	tgtacttgta	ttccactatt	gtaacctgaa	agaaagacta	tgtattccct	6960
tttttaattc	cgtactggta	tttgtgttat	ttaaaaagca	aaattctgct	ctatttagtt	7020
gtataatatt	agaggatact	ttgtgtgtga	caattccaag	tgccttagaa	cattgttttag	7080
ctttcctaag	tatatataaa	tgcatatatg	tataaaattg	ggaaaagtta	cctcaataaa	7140
atcattggga	aatccccagt	tttagtttgt	tccagtttct	cttatatttg	gatagtgtct	7200
agccttttta	aatgaaaaaa	gaaaaaagag	taagacaact	tccctaattg	cctgttattt	7260
cagcttcacc	taagttttta	acacctcttt	gtatgtaagg	tcttgagaca	tgtaaggcct	7320
ggtacttttt	atttaaaatg	tctgtctaaa	gaattactgc	tcttaaaaga	aacttccagt	7380
atttttttta	acttgctatc	tttttatgtc	tgaggtattt	gatattgatg	tttttattgc	7440
cattattata	tgtaaacata	aaagatagtc	catttagagt	ttataatata	gaaaataaac	7500
agacttcctc	att					7513

<210> 9253  
 <211> 152  
 <212> DNA  
 <213> Homo sapiens

<400> 9253						
aaaaaaaaataa	aaaaaaaaaaaa	aaaaaaaaaaaa	aaaataaaaac	aaaaaaaaaaaa	tataaaaaaaaa	60
aaaaaaaaaaaa	aaaaaaaaaaaa	aaaaaaaaaaaa	aaaaaaaaaaaa	caaaaaaaaaa	aaaaaaaaaat	120
ataaaaaaaaaa	aaaaaaaaaaaa	aaaattaaag	ag			152

<210> 9254  
 <211> 96  
 <212> DNA  
 <213> Homo sapiens

<400> 9254						
cccgaaaaaa	aaaaaaaaaaaa	aaaaaaaaaaaa	aaaaaaaaaaaa	attaaaaaaa	aaaaaaaaaaaa	60
acaaacaaaa	ttaaaaaaaa	aataaaaaaa	aaaaat			96

<210> 9255  
 <211> 130  
 <212> DNA  
 <213> Homo sapiens

<400> 9255						
aaaaaaaaaaaa	aaaaaaacaa	aaagaaaaaa	aaaaaaaaaaaa	aaaaaaaaaaaa	aaaaaaaaaaaa	60
aagaaaaaat	aaaaaaaaaaaa	aaataaaaaa	aaaaaaaaaaaa	aaacaagaaa	gacaaaaaaa	120
aataaaaaga						130

<210> 9256  
 <211> 116  
 <212> DNA  
 <213> Homo sapiens

<400> 9256

aaaaaaaaata aaaaaaaaaa aaaaaataaa aaaaaaaaaa aaaaacaaaa aaaaaaaaaa 60  
 aaaaaaaaaa aaaaaaaaaa acaacacaaa aaaaaaaaaa aaccaaaaac aaacag 116

<210> 9257  
 <211> 151  
 <212> DNA  
 <213> Homo sapiens

<400> 9257  
 aaaaaaaaaa aaaaaaaaaa gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaacaa 60  
 aaaaacaaa aaaaaaaaaa aaaaaaaaaa taaataaaaa aaaaagagaa aaaaataaaa 120  
 ataaagaaat aaataaaaaa aaaaaaaaaa a 151

<210> 9258  
 <211> 202  
 <212> DNA  
 <213> Homo sapiens

<400> 9258  
 aaaaaaaaga aaaaaaaaaa aaaaaataaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60  
 aaaaaaaaaa aaacaaaaaa taaaaaaaaa agaaaaaaa aaaaaataaa aaaaaaata 120  
 aaaaaaaaca aaaaaacaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ataaacaaaa 180  
 aaaaaataaa acaaaaaaaa aa 202

<210> 9259  
 <211> 158  
 <212> DNA  
 <213> Homo sapiens

<400> 9259  
 taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60  
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa caaaaaata aaaaaaaaaa aaataaaaaa 120  
 aaaaaaaaaa aataaactaa aaaaaaaaaa taaaaaaa 158

<210> 9260  
 <211> 125  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (33)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (49)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (61)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (90)

TABLE 1	
Summary of the results of the 1997-1998 survey of the health status of the population of the Republic of Serbia	
1. General characteristics of the population	
1.1. Total population	10,000,000
1.2. Population aged 15 years and over	7,500,000
1.3. Population aged 65 years and over	1,500,000
1.4. Population aged 75 years and over	500,000
1.5. Population aged 85 years and over	100,000
1.6. Population aged 95 years and over	10,000
1.7. Population aged 100 years and over	1,000
1.8. Population aged 110 years and over	100
1.9. Population aged 120 years and over	10
1.10. Population aged 130 years and over	1
1.11. Population aged 140 years and over	0
1.12. Population aged 150 years and over	0
1.13. Population aged 160 years and over	0
1.14. Population aged 170 years and over	0
1.15. Population aged 180 years and over	0
1.16. Population aged 190 years and over	0
1.17. Population aged 200 years and over	0
1.18. Population aged 210 years and over	0
1.19. Population aged 220 years and over	0
1.20. Population aged 230 years and over	0
1.21. Population aged 240 years and over	0
1.22. Population aged 250 years and over	0
1.23. Population aged 260 years and over	0
1.24. Population aged 270 years and over	0
1.25. Population aged 280 years and over	0
1.26. Population aged 290 years and over	0
1.27. Population aged 300 years and over	0
1.28. Population aged 310 years and over	0
1.29. Population aged 320 years and over	0
1.30. Population aged 330 years and over	0
1.31. Population aged 340 years and over	0
1.32. Population aged 350 years and over	0
1.33. Population aged 360 years and over	0
1.34. Population aged 370 years and over	0
1.35. Population aged 380 years and over	0
1.36. Population aged 390 years and over	0
1.37. Population aged 400 years and over	0
1.38. Population aged 410 years and over	0
1.39. Population aged 420 years and over	0
1.40. Population aged 430 years and over	0
1.41. Population aged 440 years and over	0
1.42. Population aged 450 years and over	0
1.43. Population aged 460 years and over	0
1.44. Population aged 470 years and over	0
1.45. Population aged 480 years and over	0
1.46. Population aged 490 years and over	0
1.47. Population aged 500 years and over	0
1.48. Population aged 510 years and over	0
1.49. Population aged 520 years and over	0
1.50. Population aged 530 years and over	0
1.51. Population aged 540 years and over	0
1.52. Population aged 550 years and over	0
1.53. Population aged 560 years and over	0
1.54. Population aged 570 years and over	0
1.55. Population aged 580 years and over	0
1.56. Population aged 590 years and over	0
1.57. Population aged 600 years and over	0
1.58. Population aged 610 years and over	0
1.59. Population aged 620 years and over	0
1.60. Population aged 630 years and over	0
1.61. Population aged 640 years and over	0
1.62. Population aged 650 years and over	0
1.63. Population aged 660 years and over	0
1.64. Population aged 670 years and over	0
1.65. Population aged 680 years and over	0
1.66. Population aged 690 years and over	0
1.67. Population aged 700 years and over	0
1.68. Population aged 710 years and over	0
1.69. Population aged 720 years and over	0
1.70. Population aged 730 years and over	0
1.71. Population aged 740 years and over	0
1.72. Population aged 750 years and over	0
1.73. Population aged 760 years and over	0
1.74. Population aged 770 years and over	0
1.75. Population aged 780 years and over	0
1.76. Population aged 790 years and over	0
1.77. Population aged 800 years and over	0
1.78. Population aged 810 years and over	0
1.79. Population aged 820 years and over	0
1.80. Population aged 830 years and over	0
1.81. Population aged 840 years and over	0
1.82. Population aged 850 years and over	0
1.83. Population aged 860 years and over	0
1.84. Population aged 870 years and over	0
1.85. Population aged 880 years and over	0
1.86. Population aged 890 years and over	0
1.87. Population aged 900 years and over	0
1.88. Population aged 910 years and over	0
1.89. Population aged 920 years and over	0
1.90. Population aged 930 years and over	0
1.91. Population aged 940 years and over	0
1.92. Population aged 950 years and over	0
1.93. Population aged 960 years and over	0
1.94. Population aged 970 years and over	0
1.95. Population aged 980 years and over	0
1.96. Population aged 990 years and over	0
1.97. Population aged 1000 years and over	0
1.98. Population aged 1010 years and over	0
1.99. Population aged 1020 years and over	0
1.100. Population aged 1030 years and over	0
1.101. Population aged 1040 years and over	0
1.102. Population aged 1050 years and over	0
1.103. Population aged 1060 years and over	0
1.104. Population aged 1070 years and over	0
1.105. Population aged 1080 years and over	0
1.106. Population aged 1090 years and over	0
1.107. Population aged 1100 years and over	0
1.108. Population aged 1110 years and over	0
1.109. Population aged 1120 years and over	0
1.110. Population aged 1130 years and over	0
1.111. Population aged 1140 years and over	0
1.112. Population aged 1150 years and over	0
1.113. Population aged 1160 years and over	0
1.114. Population aged 1170 years and over	0
1.115. Population aged 1180 years and over	0
1.116. Population aged 1190	

&lt;221&gt; SITE

<223> n equals a,t,g, or c

&lt;221&gt; SITE

<223> n equals a,t,g, or c

&lt;221&gt; SITE

<223> n equals a,t,g, or c

```
gttggtgga   aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaana aaaaaaaaaa   60
naaaaaaaaaa aaaaaaaaaa aaaaaaaaaa naaaaaaaaaa aaaaaaaaaa aaaaannaaa   120
aaaaa                                     125
```

<211> 126

<213> Homo sapiens

&lt;221&gt; SITE

<223> n equals a,t,g, or c

&lt;221&gt; SITE

<223> n equals a,t,g, or c

&lt;221&gt; SITE

<223> n equals a,t,g, or c

<221> SITE

<223> n equals a,t,g, or c

&lt;221&gt; SITE

<223> n equals a,t,g, or c

&lt;221&gt; SITE

<223> n equals a,t,g, or c

&lt;221&gt; SITE

$\langle 222 \rangle$  (108)



<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (118)

<223> n equals a,t,g, or c

<400> 9261

gccaaaaann	aaanaaaaaan	aaaaaaaaaaaa	aaaaaaaaaaaa	aaaaaaaaaaaa	aaaaaaaaaaaa	60
aaaaaaaaaaaa	aaaaaaaaaaaa	aaaaaaaaaaaa	aaaanaaaaaa	aaaaaannan	aaaaaaaanaa	120
aaaaaa						126

<210> 9262

<211> 151

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (45)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (89)

<223> n equals a,t,g, or c

<400> 9262

aaanaaaaaa	aaaaaaaaaaaa	aaaaaaaaaaaa	aaaaaaaagga	aaaanaaaga	aaaaaaaaaaaa	60
aaaaaaaaaaaa	agaaaaaaaaa	aaaaaaaaaana	aaaaaaaaaaaa	agaaaaaaaaa	aaaaaaaaaaaa	120
aaaaaaaagaa	aaagggaaaa	aaaaaaaaaaaa	a			151

<210> 9263

<211> 440

<212> DNA

<213> Homo sapiens

<400> 9263

agtgaacagc	atgttcaaaa	gcaccgggct	acaaaaatgc	aagggaatggt	caggaactca	60
caaggaggga	aaggaagcca	gctggctggc	taacaagcat	accgtaaaag	tagtgccagc	120
aaaagatgga	actttaatga	ttccaagaca	ggcagttgag	gcaggacttg	gtgactaata	180
ggaaatgctg	gatgagggag	agaaatgaat	tgctaactctg	aggtttctag	accaaaaata	240
tttttaaaga	tagaatatta	aataagacaa	agtgcaaagg	caggttaaca	aggaaagctt	300
tgtatagttg	tggacatgct	tagtatatac	ctgtggaaca	tctgggggga	agcgccctgt	360
gggcttttgg	aaattcaagt	gtagaaaagta	gatttggagt	cgtcagcagg	agatgatgag	420
aggctgaagc	taatgaaaaa					440

<210> 9264

<211> 118  
 <212> DNA  
 <213> Homo sapiens

<400> 9264  
 ggattacata ctgttgccaa ctgaagggttg gaataaaactt gtcagctggg acacattgat 60  
 ggaagggtcaa gagccaatag cacgaaaggt actgtttaat aataactgac tataaata 118

<210> 9265  
 <211> 77  
 <212> DNA  
 <213> Homo sapiens

<400> 9265  
 aaataaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60  
 ataaaaaaaaa aaaaaaa 77

<210> 9266  
 <211> 7411  
 <212> DNA  
 <213> Homo sapiens

<400> 9266  
 tattggttga ggggggcccgg gggattgagg aagacggaaa gccgcgccga gtcgccgggt 60  
 tacctccggg gtgaaccatg ttgagtcctg ccaacgggga gcagctccac ctgggtgaact 120  
 atgtggagga ctacctggac tccatcgagt ccctgccttt cgacttgcag agaaatgtct 180  
 cgctgatgcg ggagatcgac gcgaaatacc aaggtacggc cgggtgatgg atgggcccgg 240  
 gcggccgcct ccttcccggc ggggtccggg gcgcgcgga gccgggcccg tcctgcccgtg 300  
 gaccggagga agcggcccgg tccgcagcgg cggccctcgg caggggcagg aacaaaaggt 360  
 ctggagcggc tttgattcgc caaggtcctt gtgtgcaaag cccgggacac ggaggaggaa 420  
 ggaggcgcga gaggtctcgc tgcaaggctg cgcgaccaa gcgctctttg tagtgaagtg 480  
 atgaggcggg tgctgcgggg gagggggcgg cgggtccaag ccgcgtcctc taggaggggg 540  
 tgcattattac ggcgcgagat ggagggatgt gccggcgcct ggggctatag ggcgcccaga 600  
 cggggctgca ggagaagggc ggctgtgggc cggggtttcc gcggaccggg tgcctcggtc 660  
 ccgggcaacg ccgttccctc ggcccttctt agtcgcccc cactcagtc cgaatctgag 720  
 tgttacataa agtaccgggt agtactccgc tcggggtagg tcggccgccc ccgcccagcc 780  
 cctccggcc ctcacttggg gctggacacc gactaggggc cgactgcgag gggcgcagcc 840  
 gccggttgta gtttgccggg gacgagggct tttctctgtg tgccgtaggg aagggaaggg 900  
 aaggggagga gcggaggcgg ggaaggcggc catctgcgct gcgctcgggg gggcgcgggg 960  
 agatcgctgg cttggagagg actgtggcag gtgagaggac ctgtgcgtcg ttctctgcag 1020  
 acctggccgc ccggggtgtc agagagaggt ggcgagttcg tgcgcgccgg gaattgttgg 1080  
 ctgttgggga aactttcctg cgaggtcagt caaggctttg ggggctctgt tttgaatgtg 1140  
 gatcaccact cggagtttac taatgtttac aaggctgcgc agtagggaaa cggaaagagt 1200  
 ggggtggggg aaaaaaaaaa attgaccgct atccccgaaa gtactagacg cctctgccgg 1260  
 gaaggcggcc ctgcgcgttc tatccgagac gtactctcgc agcgaatttt ataggaactt 1320  
 cattagcata ttatggaacg tcccgcctca gccccagat agttggctgt gatgtccttc 1380  
 gtggaatgtc cttatcattc ccctgcggaa cgattggctg ctgaggcgga tgaaggcggg 1440  
 cctagcga taactggtat ggggtctgtg ttccgctgtc ttcttttttc tttttcgggg 1500  
 aggagcgggg tggagggtgg acgagttgat ttgaacgtct tcgggtcgct cggcctccag 1560  
 ccttggattg gttcttctcg ctgctggggc gggcgcgtgt cttccgccct gcggtgtggt 1620  
 tggttctcct cctggcctcc gccctccaaa tcggcgattc ccataggcgg cggctctcgg 1680  
 ggtgcggggc gagtctcccc ctggcctcct ccccatggg tggaggcctg gcggtgtcgt 1740  
 cccctgcccc tctccccgct cagcccggcc actttcggg gcggatttat agcagtagca 1800  
 gtgatccccg gccgtggtgg tcggggccgg ggctgcagtt cggaccgccc ccgcgcagcc 1860  
 gcggggccgg ctcggagaca gtttcagggc gctctctgct tgaccgagg gtggggccgc 1920  
 gcgtggccgt ggaaacgtga gtgactgggg ctgcgtccac gagggggacc ctccggcgag 1980  
 aaacttttct ggaagggtgt gtcctcgggc cggacggggc ccgtgggggtg accctggggc 2040  
 tccggacgga aggaaggcag gggctgagac cactttgatc gttcgacgat agaaaaaagt 2100  
 agcgcggggc ggggtgcagg gttccagctg tccagacagc aaagtcatg gagccacttt 2160

gtcctcctgt	cgttgctggg	gagagcctgg	cttgctgctt	gcttcatgtt	cacctagggg	2220
gatgaacttt	ttggcttcag	gaaagatcac	agtccctgccc	ccccgggagt	actggagcgg	2280
cgcagctggg	agcgccgaga	agcgagcgaa	tctgtcgcaa	gggtcacagc	tccttggact	2340
tcggtgtaaa	tgttgagctc	tgccgcgtag	ttctgaaaga	cttccacaga	cctactctgt	2400
aggaagtcaa	acgtcttttg	cttagtaggc	atcagttgta	tgttaattca	taaacttgga	2460
ttataattag	tttgtcgatt	taaaatgggtg	tttgagggttg	cttgaattat	ttttcaaaca	2520
ttatcataaa	aatacccacc	cacccctcgg	gaagttcgct	tcataaagaa	cttcagtgc	2580
acccgtatgt	aaaatttaaaa	tacattttaa	ataattggac	aaaccaattt	aaatggtgct	2640
acaaccccat	ttaatctgta	aattgcatgt	gctgctgctt	tccatggtaa	tgttggtgtg	2700
gaatatgttt	ggaaaaaagg	cagtagtgct	tgaagctgag	ttgctggcat	tgaaaaagca	2760
gagtgtctgg	aaggatggct	tcctatttag	cagtggtggt	gttccctgttt	ataaatattt	2820
gtacttagtg	gctttgttga	taaaataactt	tgcttggagt	atcaaagaaa	tattaggtaa	2880
cagaaatact	tcttggtaat	tttgcatggt	gatattctgt	tctcttgccc	acaaattagg	2940
cttcacctgg	atggaagctt	gcttgatgat	taaaataact	tctgtgttat	taaattttta	3000
atztatatga	tacagttttc	tgtgaaatga	caatattgtc	tttagaactt	tgattactga	3060
tgaaaagaag	tgataccatt	ttgtaaccct	aaatccattt	aaaaataaat	ggtacacata	3120
ttttaacatt	atgataaata	agttgaataa	attggtatta	cttggatacg	ttgaacacag	3180
ctattttatt	ttataattaa	ttactatatg	agactagggc	tttccctcctg	gtggcaggca	3240
gcttgctgtt	ttcctctagg	agtcttcaaa	gctgtcttta	gtttgagaat	atactctgga	3300
aaatattacc	ttctagagaa	gcttcagcgt	tggcctgagt	tcttatgttt	actctagtgt	3360
taggtatatg	tcttataact	atttggagat	aagatctgga	aagggaaggg	gtaacatttt	3420
agacaatccc	tcccactctc	agccctctcc	ctagtttaca	agtagtattg	ttggccaggc	3480
acggtggctc	actcctgtaa	tcccagcacc	atgggagacc	gaggcggggc	gatcacctga	3540
ggctcgagagt	tgggagacca	gcctgtccaa	catggagaca	ccctgtctct	actgaaaata	3600
cagaatttag	cgggcgtggt	attacatgcc	tgtaatccca	gctactcggg	aggctgaggc	3660
aggagaatcg	cttgaacctg	ggaggcaggt	tgcagtggag	tgagatcgcg	ccattgcact	3720
ccagcctggg	caacaagagt	gaaactccgt	ttcaacaaca	acaaaaaaag	gtagtattgt	3780
tgccttggtt	aaagagactg	caaaaagggt	ttaggagaat	aatctgggtac	tgtttaattt	3840
aatggttact	gtttgaggaa	aaagaactct	ggaatttctg	tgtatttaag	tagccttttt	3900
agcaaggctg	tttacttcaa	ctagattttt	taatagcttt	tgtttcttga	gaaattgcct	3960
aattacactt	gccaaattac	actttaaaat	catatacact	gtcctctaac	atgccaggga	4020
agggtttacat	ttaaatactg	aagaggtttt	cttttggttt	tgataacatt	ttaaagtcca	4080
ttgactttta	cagatgtgaa	gatgtttttg	tttaagcagt	agatgcaaaa	gtaaaacct	4140
ccagcttcgc	tttaaagcaa	ggctagtgc	ttcactgcag	ttaaaaaata	ataataatag	4200
cccatcacag	tgggtgcttct	gtagtccag	ctactcagga	ggctgaggtg	ggaggggtccc	4260
ttgaacctgg	gaggtcgagg	ctgcagtgg	ccgagattgc	accactgcac	tccagcctgg	4320
gcgacagaga	cggaccttgt	ctccaaaata	ataacaagtc	gtaataataa	taaagcaaag	4380
ctagggtttc	tggattattg	tggcagaact	gttcttgctg	tcactaatac	agagggataa	4440
catgctagaa	taaatgtggg	gactgaaact	gaggacctaa	gtcacaaaag	atcctggacc	4500
tttactgtta	acccggttct	ttaaatcata	gagagctatt	atataaaatt	atacacattc	4560
tctcatttaa	caggggtattc	tagatgtttg	tatatataaa	taaagaaaat	aaagaccttt	4620
tttattttgaa	atattcaaat	aatttataat	atattttatt	aatgtttgta	tatttgttat	4680
aatgttaata	aataccatgt	ttatataatg	ttatattgat	attaataatt	gtattcaaat	4740
agaaacattt	gagtaaaaa	gatggcagta	tagacatagt	cattaataga	aagtattaat	4800
aatgtttggg	tcccagagcac	tgcacctcat	ttaaagcttt	cctcttaatg	gcttcggggc	4860
ttgtcacccg	tgcgtgacct	ggaactgttc	tcaggttccc	tggggtggct	ggagcggctc	4920
ctgccgctgt	ggaagctggg	ccggcatttg	tgttgtgttg	tgttgtgttg	tgttgtgttg	4980
tggttagcac	aggaacagat	aggcccggga	gagcctgttg	ctggtgggct	ttgttctggg	5040
caagccgtgc	gctggccctt	aggctccctg	ccagccctct	ccgtagacct	gtccggggcc	5100
gtgtgggttg	tcccgggtgtc	ctgctcgcca	gtgacgctg	tccttcttgc	ccccagagat	5160
catgaaggag	ctagacgagt	gctacgagcg	cttcagtcgc	gagacagacg	gggctgcagaa	5220
gcgggggatg	ctgcactgtg	tgcagcgctg	gctgatccgc	agccaggagc	tgggctgcag	5280
gaagatccag	atcgtgagcc	agatggtgga	gctggtggag	aaccgcacgc	ggcaggtgga	5340
cagccacgtg	gagctgttct	aggcgcagca	ggagctgggc	gacacagcgg	gcaacagcgg	5400
caaggctggc	cgggacaggc	ccaaaggcga	ggcggcagcg	caggctgaca	agcccaacag	5460
caagcgctca	ggcgggcagc	gcaacaacga	gaaccgtgag	aacgcgtcca	gcaaccacga	5520
ccacgacgac	ggcgctctgg	gcacacccaa	ggagagaag	gccaagacct	ccaagaagaa	5580
gaagcgctcc	aaggccaagg	cggagcgaga	ggcgctccct	gccgacctcc	ccatcgacct	5640
caacgaaccc	acgtactgtc	tgtgcaacca	ggtctcctat	ggggagatga	tcggctgcga	5700
caacgacgag	tgccccatcg	agtgggtcca	cttctcgtgc	gtggggctca	atcataaacc	5760
caagggcaag	tggtagctgc	ccaagtgcgc	ggggggagaa	taaaagacca	tggacaaagc	5820

cctggagaaa	tccaaaaaag	agagggccta	caacaggtag	tttgtggaca	ggcgccctggt	5880
gtgaggagga	caaaaataaac	cgtgtatttta	ttacatttgct	gcctttgttg	aggtgcaagg	5940
agtgtaaaat	gtatatTTTT	aaagaatggt	agtaaaggaa	ccattccctt	catagggatg	6000
gcagtgattc	tgtttgccct	ttgttttcat	tggtacacgt	gtaacaagaa	agtgggtctgt	6060
ggatcagcat	tttagaaact	acaaatatag	gtttgattca	acacttaagt	ctcagactga	6120
tttcttgccg	gaggaggggg	actaaactca	acctaacaca	ttaaagtggg	aaggaaaata	6180
tttcatttag	cttttttatt	ttaatacaag	taataattatt	actttatgaa	caattttttt	6240
taattggcca	tgtcgccaaa	aatacagcct	atagtaaagt	tgtttcttgc	tgccatgatg	6300
tatatccata	taacaattca	gtaacaaagg	tttaaagttt	gaagattatt	ttttaaaaag	6360
gtaaatgggt	aaatttttaca	tgacagatat	tttatctatt	ggcctgttcc	ccaaatggcc	6420
atttttaaatt	gcttgggtac	acttctctta	agtgggtctag	tcaaggaacc	tcaagtcagt	6480
cttttgctat	caccaatcat	agtgtaccca	tctttaattt	atatcaggtg	tataaatgta	6540
catttccaaa	tgaacttgca	cttggtatat	tataattgga	agtgcagtca	gcagatgctg	6600
ttgtgaagct	aatgtcacaa	ttatgtgcaa	aggtgtgctt	cctgctgtat	gtgagctgta	6660
aaaatgttac	gtgaagaaat	aaatgaaact	tggccagttt	gttcctctag	tagtatattt	6720
aattttgaca	taagtaactt	ttaaaatttg	tcttaaaaaat	ttatacacca	gcaattttaga	6780
caaagcctta	agcaaatttt	gtattattgt	tctcacttat	tattaataat	gaagtagaag	6840
ttacttaatt	gccagcaaat	aaatacgtgt	caaaaaagaa	tctgtattca	gaccctgggt	6900
caggaaatta	ctgcccactt	gtcaagttca	gccaccatc	tgtttgaaga	ttatatgaag	6960
tttaaatctt	agtgtccata	aataaagttt	cagcggaaac	cagccgtgct	tatgtgcgta	7020
tgtattgtct	gactgctttt	gcaaaacggc	agagttcaat	agttgcacct	gaaaccattt	7080
gacttgacaa	gccaaaacta	ttttctggcc	ctctgcagaa	agggtttgct	gacctctgat	7140
ttagactagc	atctaacatt	gatttgccca	catattgaaa	gggtcagtgg	agttttctatt	7200
tattattttt	tatttttttg	agattgagtt	ccaggctgga	gtgcaatagc	gcactcttgg	7260
ctcacgcgaa	cctccgcctc	ccagggtcaa	gcgattgtcc	tgccctcagcc	tccccagtag	7320
ctaggattac	aggcatgcac	caccacgcct	ggctaatttt	gtattttcag	tagagacgcg	7380
gtttctccat	gttgggtcatg	gctgggtctcg	c			7411

<210> 9267  
 <211> 8487  
 <212> DNA  
 <213> Homo sapiens

<400> 9267						
gcggccgcag	ctcaaaggac	accgagaggg	tgccagtgcg	catgcgccgc	cacttccgcc	60
cgtgccgggc	ctcccccttc	cttccgcctc	ccggaggact	tggttttcta	gtagtaagag	120
tccggggggc	attactcacg	gtctccccgc	ctcctcttca	tcgtgattgg	gctgtcaaag	180
tgatgttggc	aagtagattg	gctactgcgg	ttgccagttc	tgtttcgggc	cctacttata	240
ctgctctgtg	gggcggggac	gaagagtcag	gggctgagga	gcgagttgcg	gtagtgtctg	300
tgtaccatgg	tctcggaggt	ttctgtcccg	cggcccgtta	ggccttggtc	gggttttcag	360
cgaagcaggc	cgctcccctg	cgtttcccag	cgggcgtgct	gtgccgcca	acaggctctg	420
cctccaagtg	ccaaaaactc	ctagtaaagt	ttgcgcctcg	cccgcctcc	acacccagc	480
ggccctgacg	ctgtcccctc	cgcgaccctc	gcctctggaa	aaagtgcag	gcaaggccac	540
gccccgcga	gggcccggct	ggagcccgc	gccccaggg	cctgggacgg	tgaggggctg	600
gaatgcggcg	gggggcgggg	ccgttgccgg	gggagggggc	cggggcgcat	gcgcgtgcg	660
cagcggggct	gaatgtttcc	caagtgtttg	aaactgttat	ttgggttttc	cacgttggtg	720
aagtgcggct	cggcggccag	cggagcgcgc	cccttcccgc	tgcccgctcc	gctcctctct	780
tctaccagc	ccagtgggcg	agtgggcagc	ggcggccgcg	gcgctgggct	ctctcccgc	840
ggtgtgtgcg	cgctcgtacg	cgcggccccc	ggcgcagcc	ccgcgcctg	agagggggcc	900
tgcgcgcgcg	gccggggcgt	gcgcccggga	gccaccgcca	ccgcggcccg	cgccctcagg	960
cgctggggtc	cccgcggacc	cggagggcgg	ggacgggctc	ggcagatgta	gccgcccggc	1020
cgaagcagga	gccggcgggg	gggcgcgggg	agagcgaggg	ctttgcattt	tgcatgtcta	1080
ttttttgagg	ggggcggggg	gtggaggaag	cggaaagccg	cgccgagtcg	ccggggacct	1140
ccgggggtgaa	ccatgtttgag	tccgtccaac	ggggagccag	ctccacctgg	tgaactatgt	1200
ggaggactac	ctggactcca	tcgagtcctc	gcctttcgac	ttgcagagaa	atgtctcgct	1260
gatgcgggag	atcgacgcga	aataccaagg	tacggccggg	tgatggatgg	gcgggggcgg	1320
ccgcctcctt	cccggcgggt	ccgggcgcgc	cgcggagccg	ggccggctct	gccgtggacc	1380
ggaggaagcg	gccggctccg	cagcggcggc	cctcggcagg	ggcaggaaca	aaaggtcttg	1440
agcgcctttg	attcgccaag	gtccttgtgt	gcaaaagccc	ggacacggag	gaggaaggag	1500
gcgcgagagg	tctcgtctga	aggctgcgcg	accaaagcgc	tctttgtagt	gaagtgatga	1560

gagggggtgct	gcgggggagag	ggcgggcgggg	tccaagccgc	gtcctctag	agggggtgca	1620
gattacggcg	cgagatggag	ggatgtgccg	gcgcctgggg	ctataggcg	ccgagacggg	1680
gctgcaggag	gagggcggt	gtgggcccgg	gttcccgcgg	acccggtgcc	tcggtcccgg	1740
gcaacgccgt	tcctctggcc	cttcttctgc	gccccccact	cagtcgccga	tctgagtgtt	1800
acataaagta	ccgggtagta	ctccgctcgg	ggtaggtcgg	ccgccccgc	ccagccccct	1860
ccggccctca	cttgagctg	gacaccgagt	aggggcccga	tgcgaggggc	gacgccgcgg	1920
gttgtagttt	gcggaggagc	agggcttttc	tctgtgtgcc	gtagggaagg	gaaggggaag	1980
ggagtagcgg	agggcgggaa	ggcgcccatc	tgcgctcgcc	tcgggggggc	cggggcagat	2040
cgtgggcttg	gagaggactg	tggcaggtga	gaggacctgt	gcgtcgttct	ctgcagacct	2100
ggccgccccg	ggtgtcagag	agaggtggcg	agttcgtgtc	gcgccggaat	tgttggtgtg	2160
tggggaaact	ttcctgcgag	gtcagtcaag	gctttggggg	ctctgttttg	aatgtggatc	2220
accactcgga	gtttactaat	gtttacaagg	ctgcgcagta	gggaaacgga	agagttgggt	2280
gggggcaaaa	aaaaaaattg	accgctatcc	ccgaaagtac	tagacgcctc	tgccgggaag	2340
gcgcccctgc	gcgttctatc	cgagacgtag	cttcgcagcg	aatttttatag	gaacttcatt	2400
agcatattat	ggaacgtccc	gcctcagccc	cccagtagtt	ggctgtgatg	tccttcgtgg	2460
aatgtcctta	tcattccccct	gcggaaacgat	tggtcgctga	ggcggatgaa	ggcgggccta	2520
gcgcaataac	tggtatgggt	ctgtgttttc	actgtcttct	ttttcttttt	tcggggagga	2580
cgggggtgga	gggtggagca	gttgatttga	acgtcttcgg	gtcgtctggc	ctccagcctt	2640
ggattggttc	ttctcgtctg	tggggcgggc	cgtgctcttc	gcacctgcgg	tgtggttggt	2700
tctcctcctg	gcctccgccc	tccaaatcgg	cgattcccat	aggcgccggc	tctcgggggtg	2760
cggggagagt	ctcccgtctg	cctcctcccc	attggctgga	ggcctggcgg	gtgtcgcccc	2820
tgccccctct	cccgtctcag	ccggccactt	tcgggcgcg	atttatagca	gtagcagtga	2880
tcccgggcct	gtgggctcgg	ggccgggggt	gcagttcgga	ccgcctcccc	cgaccgcggg	2940
ggccggctcg	gagacagttt	caggcccgat	ctctctgag	ccgagggtag	ggccgcgcgt	3000
ggccgtggaa	acgtgagtga	ctggggctgc	gtccacgtag	gggacctcg	gcgcagaaac	3060
ttttctggaa	ggtgctgtcc	tcgggcccga	cgggccccgt	ggggtgacct	tggggctccg	3120
gacggaagga	aggcaggggc	tgagaccact	ttgatcggtc	gagcatagaa	aaaagtagcg	3180
cggggcccgg	tgcagggttc	cagctgtcca	gacagcaaag	ttcatggagc	cactttgtcc	3240
tcctgtcgtt	gctggggaga	gcctggcttg	ctgcttgctt	catgttcacc	tagggtagtg	3300
aacttttttg	cttcaggaaa	gacacagctc	ctgccccccc	gggagtactg	gagcggcgca	3360
gctgggagcg	ccgagaagcg	agcgaatctg	tcgcaagggt	cacagctcct	tggacttcgg	3420
tgtaaagtct	gagctctgcc	gcgtagttct	gaaagacttc	cacagacctc	ctctgtagga	3480
agtcaaagct	cttttgctta	gtaggcatca	gttgtagtgt	aattcataaa	cttggattat	3540
aattagtttg	tcgattttaa	atggtgtttg	aggttgcttg	aatatttttt	caaacattat	3600
cataaaaaata	cccaccacc	ccttgggaag	ttcgcttcat	aaagaacttc	agtgaacc	3660
gtatgtaaaa	ttaaaataca	tttaaaataa	ttggacaaac	caatttaaat	gttgctacaa	3720
ccccatttaa	tctgtaaatt	gcatgtgctg	ctgctttcca	tggtaatgtt	ggtgtggaat	3780
atgtttggaa	aaaaggcagt	agtgtctgaa	gctgagttgc	tggcattgaa	aaagcagagt	3840
gtctggaagg	atggcttcct	athtagcagt	ggtgttggtc	ctgtttataa	atatttgtac	3900
ttagtggctt	tgttgataaa	atactttgct	tggagtatca	aagaaatatt	aggtaacaga	3960
aatacttctt	ggtaattttg	cgatgggata	tctgtttctc	ttgccacaaa	attaggcttc	4020
acctgatagg	aagctttgct	gtgatgtaaa	ataacttctg	tgttattaaa	ttttaaattt	4080
atatgataca	gttttctgtg	aaatgacaat	attgtcttta	gaaccttgat	tactgatgaa	4140
aagaagtgat	accattttgt	aaccctaaat	ccatttaaaa	ataaatggta	cacatatttt	4200
aacattatga	taaataagtt	gaataaattg	gtattacttg	gatacgttga	acacagctat	4260
ttatttttat	aattaattac	tatatgagac	tagggctttc	ctcctggtgg	caggcagcct	4320
gcattgtttc	tctaggagtc	ttcaaagctg	tctttagttt	gagaatatac	tctggaaaat	4380
attaccattt	agagaagctt	cagcgttggc	ctgagttcct	atgtttactc	tagtggttagg	4440
tatatgtctt	ataactattt	ggagataaga	tctggaaaagg	aagggggtaa	catttttagac	4500
aatccctccc	actctcagcc	cctcccctag	tttacaagta	gtattgttgg	ccaggcacgg	4560
tggtcacttc	ctgtaatccc	agcaccatag	gagaccgagg	cgggcggtac	acctgaggtc	4620
gagagtggg	agaccagcct	gtccaacatg	gagaccacct	gtctctactg	aaaatacaga	4680
attagccggg	cgtggtatta	catgcctgta	atcccagcta	ctcgggaggc	tgaggcagga	4740
gaatcgcttg	aacctgggag	gcaggttgca	gtgagctgag	atcgcgccat	tgcactccag	4800
cctgggcaac	aagagtgaag	ctccgtttca	acaacaacaa	aaaaaggtag	tattgttgcc	4860
ttgtttaaag	agactgcaaa	aagggttttag	gagaataatc	tggtagtggt	taattttaatg	4920
gttactgttt	gaggaaaaag	aactctggaa	tttctgtgta	tttaagtagc	cttttttagca	4980
aggctgttta	cttcaactag					

ttctcgcttta	aagcaaggct	agtgcattca	ctgcagttaa	aaaataataa	taatagccca	5280
tcacagtggg	gcttctgtag	tcccagctac	tcaggaggct	gagggtgggag	ggccccctga	5340
acctgggagg	tcgaggctgc	agtgagccga	gattgcacca	ctgcactcca	gcctggggcga	5400
cagagacgga	ccttgtctcc	aaaataataa	caagtcgtaa	taataataaa	gcaaagctag	5460
gttttctgga	ttattgtggc	agaactgttc	ttgctgtcac	taatacacag	ggataacatg	5520
ctagaataaaa	tgtggggact	gaaactgagg	acctaagtc	caaagtatcc	tggaccttta	5580
ctgttaaccc	ggttctttaa	atcatagaga	gctattatat	aaatttatac	acattctctc	5640
atttaacagg	gtattctaga	tgttggtata	ttaaataaaa	gaaaataaag	acctttttta	5700
tttgaaatat	tcaaataaatt	tataatatat	tttattaatg	tttgatatatt	gtgtataaat	5760
gtaataaata	ccatgtttat	ataatgttat	atgtatatata	ataattgtat	tcaaatagaa	5820
acatttgagt	aaaaatgatg	gcagtataga	catagtcatt	aatagaaaagt	attaataaat	5880
gttgggtccc	gagcactgca	cctcatttaa	acgtttcctc	ttaatggctt	cgggcgttgt	5940
cacccgtgcg	tgccctggga	ctgttctcag	gttccctggg	gtggctggag	cggctcctgc	6000
cgctgtggaa	gctgggcccg	catttgtgtt	gtgttgtgtt	gtgttgtgtt	gtgttgtggt	6060
tagcacagga	acagataggc	ccgggagagc	ctgtggctgg	tgggctttgt	tctgggcaag	6120
ccgtgcgctg	gcccctaggc	tccctgccag	ccctctccgt	agacccgtcc	ggggccgtgt	6180
gggtgtgtccc	ggtgtcctgc	tcgcgagtga	cgctgtcctt	tcttgcccc	agagatcctg	6240
aaggagctag	acgagtgcta	cgagcgcttc	agtcgcgaga	cagacggggc	cgagaagcgg	6300
cggatgctgc	actgtgtgca	gcgcgcgctg	atccgcagcc	aggagctggg	cgacgagaag	6360
atccagatcg	tgagccagat	ggtggagctg	gtggagaacc	gcacgcggca	ggtggacagc	6420
cacgtggagc	tgttcgaggc	gcagcaggag	ctgggcgaca	cagcgggcaa	cagcggcaag	6480
gctggcgcg	acaggcccaa	aggcgaggcg	gcagcgcagg	ctgacaagcc	caacagcaag	6540
cgctcacggc	ggcagcgcaa	caacgagaac	cgtgagaacg	cgtccagcaa	ccacgaccac	6600
gacgacggcg	cctcgggcac	acccaaggag	aagaaggcca	agacctcaa	gaagaagaag	6660
cgctccaagg	ccaaggcgga	gcgagaggcg	tccccctggg	acctccccat	cgacccccac	6720
gaacccacgt	actgtctgtg	caaccaggtc	tccatgtccc	agatgatcgg	ctgcgacaac	6780
gacgagtgc	ccatcgagtg	gttccacttc	tctgtcgtgg	ggctcaatca	taaacccaag	6840
ggcaagtgg	actgtcccaa	gtgccggggg	gagaacgaga	agaccatgga	caaagccctg	6900
gagaaatcca	aaaaagagag	ggcttacaac	aggtagtttg	tggacaggcg	cctgggtgtga	6960
ggaggacaaa	ataaacctgt	tattttattac	attgctgcct	ttgttgaggt	gcaaggagtg	7020
taaaatgtat	atttttaaag	aatgttagta	aaggaaccat	tcccttcata	gggatggcag	7080
tgattctgtt	tgccctttgt	tttcattggg	acacgtgtaa	caagaaagtg	gtctgtggat	7140
cagcatttta	gaaactacaa	atatagggtt	gattcaacac	ttaagtctca	gactgatttc	7200
ttgcgggagg	agggggacta	aactcaacct	aacacattaa	atgtggaagg	aaaatatttc	7260
atttagcttt	tttattttaa	tacaagtaat	attattactt	tatgaacaat	tttttttaat	7320
tgccatgttc	gccaaaaata	cagcctatag	taaatgtgtt	tcttgtgcc	atgatgtata	7380
tccatataac	aattcagtaa	caaaggttta	aagtttgaag	attatttttt	aaaaaggtaa	7440
atggttaaat	tttacatgac	agatatttta	tctattggcc	tgttccccaa	atggccattt	7500
taaaatgctt	gggtacactt	ctcttaagtg	gtctagtcaa	ggaacctcaa	gtcatgcttt	7560
tgctatcacc	aatcatagtg	tacccatctt	taattttatat	cagggtgtata	aatgtacatt	7620
tccaaatgaa	cttgcaactg	ttatattata	attggaagtg	cagtcagcag	atgctgttgt	7680
gaagctaatt	tcacaattat	gtgcaaagg	gtgcttccct	ctgtatgtga	gctgtaaaaa	7740
tgttacgtga	agaaataaat	gaaacttggc	cagtttgttc	ctctagtagt	atattttaatt	7800
ttgacataag	taacttttaa	aatttgtctt	aaaattttat	acacagcaa	tttagacaaa	7860
gccttaagca	aaattttgat	tattgttctc	actattattt	aataatgaag	tagaagttac	7920
ttaattgcca	gcaaataaat	acgtgtcaaa	aaagaatctg	tattcagacc	ctgggtcagg	7980
aaattactgc	ccacttgtca	agttcagccc	accatctgtt	tgaagattat	atgaagttta	8040
aattctagt	tccataaata	aagtttcagc	ggaacacagc	cgtgcttatg	tgcgatatga	8100
ttgtctgact	gcttttgcaa	aacggcagag	ttcaatagtt	gcacctgaaa	ccatttgact	8160
tgacaagcca	aaactatttt	ctggccctct	gcagaaaggg	tttgctgacc	tctgatttag	8220
actagcatct	aacattgatt	tgcccacata	ttgaaaggg	cagtggagtt	ttcattttatt	8280
attttttatt	tttttgagat	tgagttccag	gctggagtg	aatagcgcaa	tcttggctca	8340
ccgcaacctc	cgctcccag	gttcaaggca	ttgtcctgcc	tcagcctccc	cagtagctag	8400
gattacaggc	atgcaccacc	acgcctggct	aattttgtat	tttcagtaga	gacgcggttt	8460
ctccatgttg	gtcatggctg	gtctcgc				8487

```
<210> 9268
<211> 307
<212> DNA
<213> Homo sapiens
```



<212> DNA  
<213> Homo sapiens

<400> 9271  
gagctgagac catgccactg tactccagcc tgggcaatag agcgagattc tgtctcccaa 60  
aaaaacaaaa aacaacaaca aaacttgcta ccacccaggg attttctgct atttaaaagg 120  
tgaatttctt ttctggtact aaactgtagc tgcttaactt agtaaaggct gtgtttggcc 180  
aggcctgtgc cagaggctca cctggagtg cccacccact ggcaggcaag tcctattcct 240  
attcaccag gatccccaag gctgggctgg gatataaatg ttgggatagg aaagaaatat 300  
ttccttttta gaggaagca agaagaaaca ttgcctgaaa ggtgattttc tagtcatttc 360  
caattagtag agaaatgtta ctgcctctgg gtgcagtggt tcacgcctgt aatcccagca 420  
ctgtgggcgg atcacttgag ccaggaggt tgggcatggg ctgggcaaga tggcgagacc 480  
ccatctctac aaaaaaattt aaaaattacc tgggcatggg ggcacacacc ttatttctca 540  
gctactcagg tggctgaggt gggaggatcc cttgagccca ggtggtcaag gctgtggtga 600  
gctatgatca tgccactgca ctccagcctg ggtagcagaa caagaccctg tctcaaaaaa 660  
aaaaaaaccc caaaaactgt tactactagg ttggagtagc ctaaggcagt agggcaagga 720  
ggtgggcccga ggctgggtctg tggggagctg gagaatggtg actcgagtga ccagtggaca 780  
ggcaggaccc aggccagcat tacaagcggg gatgtcaggc aggagcaggg gagcttctcg 840  
cttggcagct ggtttatggt acacttttga aaagtaagct cccagggcct ggccctcaca 900  
tgctcagtga atatttgact gaagggtccc ctcatagctt gggagtattc acaggcctaa 960  
atgttagtta tactattagc taagcctggt cctttgttac gaaatttaaa aatgaaattg 1020  
caacattctt gtggaaattc aaagacatca ttttctttca acaaattcac acattcgttc 1080  
atgttcttct tatacctttt acccctaaag tcatccactc ctgagtccct cctgctgggt 1140  
tcccaaactg cgcaatgact gccccatcat aggcagtggt ccgtggagtc ggccctcactt 1200  
tcgcctttcc ccgcactctac ttgtttccaa ggccagtggt acttaactgg gtcaagttgc 1260  
ctgtggacct tcaggaacag aattgccatg ttcctcactg cctgcaggaa aggtccatt 1320  
ccaagcccag tgaagatgtg tgccatcca gccgcccacc aaggatgtca tctgtagaat 1380  
gggtggaggg caggggttta tttggtgtat atttttacat taaaatgcac ttaatatcac 1440  
tttgtaaagc ccagatgagt gcaaagtgtc ctgtaacttc ctcttttaaat ctgtccagg 1500  
agtatttagt ctttagtctt acattttctt tctcccttta ttcatgaaa ttccttgaga 1560  
aaacttcaac agtaaagaaa gaaatttcat tcatctcaca actcttccaa acgaggaaac 1620  
ttagtgaaat atttcagagc ttctagatgt gaggtacaaa acttgggatc aaatggaatc 1680  
ttgattcact aaccaattta agatctgact tctaatttta ggaacttttg gttatgaacg 1740  
cttccatttt atacctgtgt ctagttagtt tctgcctatc tatccaagaa gcttttatca 1800  
agggtccacc atgtgccagc cactgaagta gatataaata caaggatgtg taaggatagg 1860  
atgatggtat acgaactgtc atcttactgg atttgtccgc tctgttaaag atacggttcc 1920  
gaaaactttt taaagcccta gagagggtt taaggcaatg tagcatcata tatagaggca 1980  
tcaacctgtt catatctttc tatttaacag aactgtgcac ctgggcacaa ggtgtgtcac 2040  
aacaggatgt gtacagcagc actgttaaag ttagcacat ccatactaca ggtcttatg 2100  
caactgttgg aaagaatgaa gcgatgctgc actgtggtca tgcagtgatc tctaagacat 2160  
attaactaga aagcaaaagg ttaacaatg tatagcagct gggcgagtg actcgcgcct 2220  
gtaatcccag cactttggga ggctgagtag ggcggatcac ctgaggtcag gagtttgaga 2280  
ccaacctggc caatgtggcg aaacgctgtc tctactaaaa ctacaaaaat tagctgggcg 2340  
tggtggcgcg tgccgtgtaat ccagctact cggcaggctg aggcaggaga atcgctttga 2400  
actgggaggt ggaggttgca gtgagccgag atcacaccac tgcattccag cctgggtgac 2460  
agaggagac tccgtctcta aaaaacaacc ccccccccc aaaaaaaaa atgcatagca 2520  
agctgtaatg ctctttgtgt tttagaatag tagagtgctg gaaagtgtgt tgcttttccc 2580  
cagttttttt ttgctgtgtt acctctgaag ggaattgagg tagaggggag agttagaagg 2640  
aatattcggc ttttctattt tatatcctcc taggtgaaat ttttacaaca aacatgtact 2700  
ggtgtatttt gaaatgtttt taaatttttg tatttcaaaa taataaaata taaattcaaa 2760  
ctgcaa 2766

<210> 9272  
<211> 513  
<212> DNA  
<213> Homo sapiens

<400> 9272  
ctttgggaag gtaagcaaca aatttacatg cttacttttc ctactgacta ctagaaaggc 60  
gtgagaattc ttatttttagc accacgtgtg gtagccagca tccaggatgg cccctaacaa 120



cgctgcttc	ccatcctcat	attgtcctcc	cacagtgtac	cagagttgtt	ttgtgtgaac	180
acagcagaag	tgatggtatg	tgacttccaa	gatgaagctg	taaaaggcta	gaactttccat	240
cttgggctat	ctcttggaac	accactctgg	gggaagccac	gtcacaagca	gccatattgga	300
gaggcccgaga	tgacaaggaa	ctgaagcctc	ctacaaacaa	ctatgagctt	ggaagcggat	360
cttcagctc	cagtcaaadc	ttcagagact	gcagccccag	ctgacagctg	agagtccctg	420
agccagaagt	ccccactaa	atcacttcca	gattcctgac	cttcagaaat	tacgtcagat	480
aactgtttta	aactaagtgt	tggggtgatt	aca			513

<210> 9273

<211> 14803

<212> DNA

<213> Homo sapiens

<400> 9273

ggagagaagg	aggacgagga	cgaggatgtg	aagaagagaa	gggaaaagca	aaggagaaga	60
gacaggacgc	gggaccgtgc	agccgacagg	tgaggcgcg	gcacacgacc	ccacaggagg	120
aggtggactc	gtgcggtgga	ggcgctgccg	agctcacctg	tctcgcctcc	acaatgctgg	180
gggcctgggtg	gcctgactcc	tctggccaaa	ccagtgggag	gcaaaacagt	aaacaattgg	240
gagtgcagaa	aagaccatca	ctcgtgctcc	cagcacacga	gctacctgtc	ttctaggatg	300
gctgggacgt	tgctttgggtg	gttaggtttc	tgttcttgct	ttagaggatt	ggtgtttgac	360
tctgtgtct	ctattcctct	ggaatcccag	ccttgctggg	gggtctgtgt	ggtccataac	420
tgctcagcag	cggtctctgt	tactctcctg	caggcctgag	gggcatccct	gccccctagc	480
ctgggtgtctg	gcattctcaga	cactgtcctg	tgttcacctt	atccaaatcc	agaccacccc	540
tggagtttga	cacagctagg	agacaggtag	agagatgata	ctaccatcaa	gattttgtcc	600
cacaatagaa	aaggattgca	aaaatgttga	gccccaaagga	tgctcattgtg	agcacaccat	660
gtgcctgcct	ctccctgccca	ggagttaagt	ggcttctgac	tagaaaactga	aatcaccagt	720
gatcatgtga	tgctggggaa	tccttgacct	taaggttcac	atgggacagt	gattttcttt	780
ttgtttgttt	gtttctgaga	tgaggtcttg	ctctgtcgcc	caggctggag	tgcaatagca	840
taatctcggc	tactataaac	ctctgcctcc	taggttcaag	cggttctcct	gcctcagcct	900
cccgagtagc	tgggattaca	ggcgctgac	accacgcctg	gctaattttt	gtatttttag	960
tagaggtcgg	gattcaccgt	gttggaagg	ctggtcttaa	actcctgata	ttgtgatctg	1020
cccgcttgg	cctcccaaag	tgctggtatt	acaagcgtga	gccactgcgc	ccagtctggg	1080
cagtgattgt	cgtgttcaaa	gaaatgctta	gtaaaagggg	ccagatgccg	tggctcacac	1140
atgtaattcc	agcactttgg	aaggctgagc	tggcggatcg	cttgaggccg	ggagttcaag	1200
accagcctgg	tcaatatggt	gaaacccatc	tctactaaaa	ttacaaaaat	tagccaggca	1260
tggtggcagg	tgctgtgaat	ctcagctact	cgggaggctg	aggcaggaga	atcacttaaa	1320
ctggggagg	ggactttgta	gtgagccaag	gttgaccac	tgactccag	cctgggcgac	1380
agagcaagac	tctgtctcaa	aaagaaaaag	aaacgggctg	ggggcagtg	ctcacgcctg	1440
taatccacc	actttgggag	gccaaggcag	gcggatcacc	tgaggttggg	agttcgagac	1500
cagcctgacc	aacatggaga	aaccagctct	ctactaaaaa	tacaaaattc	gtccggcatg	1560
gtggcgcatg	cctgtattcc	ccgtgctcg	ggaggctgag	gcaggagaat	tgcttgaacc	1620
caggaggtgg	aggttgacgt	gagccaagat	cacaccactg	cattccagcc	tgggcaacaa	1680
gagcgaaact	ctatctcaaa	taaaaactcc	atctcagtga	gccgagattg	tgctactgca	1740
ctccagcgtg	ggcgacggag	caagactcca	tctcaggaac	aaaaaaaaaa	aaagaaaatc	1800
actgttccat	gtgaacctta	aatcaaggat	tcaaaaaaaa	aagagagaaa	tgcttagcaa	1860
aacgaagcca	ggaaccaaac	gcagaactgt	ttcttcttaa	gtggtacagg	aacattgaaa	1920
cccttgttat	tttaaacaga	taaatggata	gagtagatga	cttttcatgt	cacatggaaa	1980
ctgagatgac	attttctttt	taattatttt	taaacttaaa	taatctaata	aagagatagg	2040
ggtctttctc	tggtgcttgg	gctgttgaa	tagcctcaag	agatcttctc	gcgttggcct	2100
cccagagtac	tgggagaagg	gtatagagat	gacatttttt	ttttactact	ttttgctttt	2160
tttttttttc	tttttgcttt	tttttcatct	tgtatgttct	tccaatgaac	aggtgacttt	2220
ttttaaaaaa	aaaaaaagaa	accttcagag	tgtgcgctag	tgactgagga	tctttttctt	2280
tttttttttt	tttatccttt	gagatggagt	cttgctgtgt	caccatcctc	agagtgcagt	2340
ggcacgactc	cagctcactg	caacagtcga	cctcctgggc	tcaagtgate	ctcctacctc	2400
cgctcccaa	gtagctggaa	ttacaggcgc	ccgccaccac	acccagctaa	tttttgctact	2460
tttagtagtg	acgggggtttc	accatgttgg	ccagactggt	ctcaaactcc	tgacctcagg	2520
tgatccacgc	accttggtct	cccaaagtgc	tgggagtaca	ggcatgaacc	accgcgcctg	2580
gccatgactg	aggatctcga	agggacttgg	aggaattctc	acggggaggc	agaggtgtag	2640
caggggaagca	cacagctcat	cagtagcttc	ctgacagtgc	tgtgtatgag	ccccgggaga	2700
ttgtcccttc	ccgcctacg	taggggctgt	ctgcagaagc	ggaggtgtct	tcattgtgct	2760

tgtagagaggt	cagaagccag	gcatgtggag	ttggcagagg	tgaagtcctg	agtgccacag	2820
ggcctgcacc	cctacaccag	aaggggcagg	agcctccagg	agagagccag	ggagggagca	2880
ccccagtgtg	gtggcctggg	ggcctgcagg	ctgctctccc	ttgccatgca	gcgtgggttg	2940
atgttgaggag	actttgaaag	cctgtgacaa	agaagcctca	ctttttatct	gtagaatttg	3000
atgtgacatg	tctttacgtg	tagtctcatg	gcagaactga	tactgggttt	tgtgttttga	3060
attgtgagag	gtgtttttgt	tgcacgtaaa	atgaggttgc	cttatgtcat	cccagttcct	3120
gcagagagga	actcatctga	gaagctgtga	agctagatgc	tgggccccaa	gagctgccag	3180
ccagagccta	gggcgtcccc	agttccaagc	agttgcagct	ttctgggtgt	ttctcagggg	3240
ctttggggcc	agaggggctg	cagtgccagc	agattactat	gcgagtcatt	ttcctgagat	3300
acctgcaagc	ctgtgttccc	attcttcagc	tggggaagtt	tgggtaactg	ccattctgtt	3360
gccctttggg	aagtccgaac	tcttggttca	gcagccactt	tccctggctg	agtgcggtgg	3420
catgcacctc	tactcccagc	tactgggag	gctgaggtgg	gaggatcgct	tgagcccagg	3480
agtttgagaa	cagcctgagc	aatacagtga	aatctcatct	cgagaaaaag	aaaagtctgg	3540
gtgcgggtgg	tcacgcctgt	aatcccagca	ctttggggag	gctaaggcag	gtggatcacc	3600
tgaggtcagg	agttcgagac	cagcctagcc	aacatggtga	aaccctgtct	ctactaaaaa	3660
tacaaaaaaa	aaataggctg	ggcgcggtgg	ctcacgcctt	taatcccagc	actttgggag	3720
gctgaggtgg	gtcaatcacg	aggtcaggag	ttcgagacca	acctagccac	catggtgaaa	3780
ccacgtctct	actcacaata	caaaaattaa	ctgggagtg	tgggtggg	ctgtaatccc	3840
agctactcgg	gaggtcgacg	caggagaatc	acttgaacct	gggaggcgga	ggttgcagtg	3900
agccaagatc	gcaccactgc	actccagcct	gggcaacaga	gggagactcc	gtctcaaaaa	3960
aataaataaa	taaaaataaa	taaaaataca	aaaatttagc	caggcttggt	ggcgggcccc	4020
tgtaatccca	gctactcggg	aggctgaggg	aggagaatcg	cttgaacctg	ggtgttagag	4080
gttgcggtta	gctgagatcg	caccattgca	ctccagcctc	ggcaacaaga	gcaaaactcc	4140
atctccaaaa	aaaaaaaaaa	aaaaaggaaa	gaaaaaaaaa	tactgaaaat	cctgtttctt	4200
tttttttttt	tttttgcccc	ctgccaattt	atttatttat	ttattttatt	atttatttat	4260
ttatttttat	tgatcattct	tgggtgtttc	tcgcagaggg	agatttggca	gtgttttgtg	4320
ccctgggtac	ttgagattag	ggagtgggtg	cgactcttgg	catgctgcct	tcaagcatct	4380
gtttaacaaa	gcacatcttg	caccgccttc	aatccattta	accctgagtg	gacacagcac	4440
atgttttcaga	gagcacaggg	ttgggggtaa	ggtcacagat	caacaggatc	ccaaggcaga	4500
agaatttttc	ttagtatagc	acaaaatgaa	aagtctccca	cgtctacctc	tttctacaca	4560
gacacagcaa	ccatccgatt	tctcaatctt	ttccccacct	ttccgcctt	tctattccac	4620
aaaaccgcca	ttgtcatcat	ggcccgttct	caatgagctg	ttgggtacac	ctcccagaca	4680
gggtgggtgg	tgggcagagg	ggctcctcac	ttcccagtag	gggcgggcgg	gcagaggcgc	4740
ccctcacctc	ctggacgggg	cggctggctg	ggcgaggggg	ctgaccccc	cacctccctc	4800
ccggacggtg	cggctggccg	ggcggggggg	tgaccccccc	cacctccctc	ccggacgggg	4860
cggctggccg	ggcagggggg	ctcctcactt	cccagtaggg	gcggccgggg	agaggcgccc	4920
ctcacttccc	ggacggggcg	gctggccggg	cggggggctg	acccccccc	acctccctcc	4980
cggacgggag	ggctggcccg	gcagagggtc	tcctcacttc	ccagtagggg	cggctgggca	5040
gaggcgcccc	tcacctccca	gacggggcgg	ctggccgggc	ggggggctga	tccccccacc	5100
tccttcccg	acaaggtggc	tgcggggcgg	agacgtcctt	cacttcccag	acggggtggc	5160
tgctggggcg	aggggctcct	tacttctcag	acggggcggc	tgccggggcg	aggggctcct	5220
cacttctcag	acggggcggt	tgccaggcag	agggtctcct	cacttctcag	acagggcggc	5280
caggcagaga	cgctcctcac	atcccggacg	gggcggcagg	gcagaggtgc	tccccacatc	5340
tcagacaatg	ggcggtctgg	cagagacgct	cctcacttcc	cagatgtgat	ggcgggccggg	5400
aagaggcgct	cctcacttcc	tagatgggat	ggcgggccgg	cagagacgct	cctcacttcc	5460
cagactgggg	agccaggcag	aggggctcct	cacatcccag	acgatggggc	gccaggcgga	5520
gacgtccttc	acttcccaga	cgggggtggc	gcccggcgag	ggctgcaatc	tcggcacttt	5580
gggaggccaa	ggcaggcggc	tgggaggtgg	aggttgtagc	gagccgagat	cacgccactg	5640
cactccagcc	tgggcaccat	tgagcactga	gtgaacgaga	ctccgtctgc	aatcccggca	5700
cctcgggagg	ccgaggctgg	cggatcactc	gcggttagga	gctggagacc	agcccggcca	5760
acacagcgaa	accccgctct	cacaaaaaaa	atacgaaaac	cagtcaggcg	tggcgggcgc	5820
cgcttgcaat	cgcaggcagt	aggcaggctg	aggcaggaga	atcaggcagg	gaggttgag	5880
tgagccgaga	tggcagcagt	accgtccagc	ttcggtctcg	catcagaggg	agaccgtggg	5940
gagagggaga	gggggagggg	gagagctgaa	aatcctgttt	ctatttcagc	tctcctcaga	6000
ggtgagctga	tgccccctgc	ttcactcgct	gatgtcctt	gcttccactc	cctccttggt	6060
ttccttctac	agaattcagt	ttgcctgttc	tgatgcaag	ttccgtagct	ttgatgagca	6120
agagatccag	aagcatctgc	aaagcaaat	tcacaaaag	accctgcggt	tcataagcac	6180
caagctgccc	gacaagaccg	tggagtctct	ccaggtaaag	gaaacctggg	ccccgtcacc	6240
gcgtctcttg	cccattccgc	aggtgccgga	tcccttgaag	gaggaaggga	aatcagaggc	6300
tatacttggc	caaggtttcc	tttcccagat	agagtagctg	tgtaagtccc	tgagtcacag	6360
ggacaaccgg	gagctccagc	catcgtgctg	tgctgcccc	cgcagctgct	ctgatagctg	6420

cctgcctagc	cctggcagtt	gagaaatgcc	cacatgcgcc	cacctctcat	tttactttat	6480
gccctctcca	atcccaccta	ggaatacatt	gtaaacagaa	ataagaaaat	tgagaagcgg	6540
cgtcaggaat	tgatggagaa	agaaaccgca	aaaccaaacc	cagatccttt	caaaggtgag	6600
ttgtcatccc	aggatgagtg	ctttcctgga	tggtagtaag	gcatgtgaca	ggacccgtaa	6660
aacgtggcac	gaggccgggc	acggtggctc	acacctgtaa	tcccagcact	ttgggaggct	6720
gaggcaggcg	gatcatgagg	tcaggagatc	aaggccattc	tgtctgacac	ggtgaaaccc	6780
cgtctctact	aaaaaaatc	aaaaaaatag	ccgggcgtgg	tggcgggcac	ctgtagctcc	6840
agctacttgg	gaggctgagg	caggagaatg	gtgtcaacct	gggagctcaga	gctgtcagtg	6900
agccaagatt	gcaccactgc	actccagcct	aggcgacaga	gcaagactct	gtctcaaaaa	6960
aaaaaaaaaa	aaaagtggca	tgaagccagc	ccaagtttgc	tgagaagggtg	atgacgagac	7020
ccgtgggaag	agcgctcagc	agcaatggaa	agaaaccttc	ggatgtggcc	ttgcatagat	7080
tgacgcttat	atcagtgaca	ttaagcactt	tcatatcttt	tctccttgg	tttgaaaaga	7140
aacaaccagg	aggaacagaa	aagctgaaaa	gtgcagaatt	cacagctata	gaggccgatg	7200
tgctgaccca	tactccccat	agaaaggcag	gctgtgccct	tctgattcct	tagagttgca	7260
gggagaaaa	gtggggcccg	atggggagta	ggagaaaagc	atcactttgt	gtcccagatc	7320
ctacaaagaca	tgcgtttcct	ggcagggatt	ggccaggagc	acttcttcaa	gaagatcgag	7380
gctgctcact	gcctggcctg	gcagatgcta	attctctgac	agccgcagct	ctccagcgg	7440
cacctgcact	ccgtggacca	caatcacaac	cgcagggtga	gtcttctctc	ccacactgcc	7500
tggggtgctc	attgcagggc	tgcggtctcag	agcctgctgt	gtcttatggg	gaataacaac	7560
atcttttaggg	gttcttgcta	tgtttcaagt	ctatcacttc	catcgatggg	tcgtaagatt	7620
cgtctcaatt	tttataaaaa	tgtgagaaaa	tgtgttgctt	agactcgatt	aatgacagta	7680
gctgagattc	tcctgatagt	gtttccacgt	tggtcagttt	tcccactagc	ggaaggcctg	7740
ggggcttcca	taagctgaga	ccgaaggggc	attgaaagct	gagtggccca	ggggacttgg	7800
actaaaggac	tggttctgtc	cttacctgac	tgtctgggct	tcaggctaaa	tgttgagccc	7860
aggggtcaag	tgttgaagat	gctggaaaaa	tacctttatt	tgtaaagagt	catagctaga	7920
gtatttttag	cattgcagac	catagaggcc	ctatccagca	acagctctac	ctgctgtcag	7980
tgacagaaa	cagacagtga	agagtgcctg	tggtctcggt	tgctctgcag	cctgtcactt	8040
tctggccctg	ggttagcagc	tctctcctta	gtttactcag	ctattaaatg	gggaggtcaa	8100
gagctgctca	cccattctac	agtacttgtt	tttggttttg	gttttggttt	tggttttttg	8160
gtttacgttt	ttgttttttt	gttttttttt	tacggagttt	cactcttggt	gcccaggctg	8220
gagtgcagtg	gcacgatctc	agttcactgc	aacttctgcc	tcccaggttc	aagcaattct	8280
ccagcctcag	cctcctaagt	agctgggatt	acaggcgccc	accacaatgc	ccggctaatt	8340
ttttgtattt	ttaatagaga	cggggtttca	ccatgttgcc	caggctggct	ttgaactcct	8400
gacctcaggt	gatccaccgc	cctcagcctc	ccagagtgtc	gggattacag	gtgtgagcca	8460
ctgcaccagc	ccccagtact	gttaaagatc	agctgaaaag	cagtatacaa	acaagggacc	8520
atttgtcaaa	caagtcaggc	tctaaaacag	agacttggtg	cagtcatggt	tgtgtgtttg	8580
ttttttgttt	ttgtttttgt	ttttaatttt	attttttgag	acagagtctc	actccattgc	8640
ccaggctgga	atgcagtggt	acaatctcag	ctgattgcaa	cctccatctc	ccaaattctc	8700
atgcctcagt	ctcctgagta	gctgggatta	cgggtgtgca	ccaccacacc	cagctaattt	8760
ttatatattt	tagacagggt	ttcaccatga	tggccaggct	tgtctcgaac	tcctggcctc	8820
aagtgatcca	catagcctac	cctcccaacg	tgtaggattt	acaggcatga	gctgccacac	8880
ccagcatatt	catacttttg	ttgttgaact	tatgaataca	atgtaacccc	aaaaatgaa	8940
aagaaaagagc	ttgtcctttt	cctccactga	gtccacacag	cctttcattt	gtaaagtctc	9000
ttgtttcacc	cccaattctg	catgtgctac	atgggtatca	gtgggtgcac	tttgcattta	9060
tctcttaaga	ttgcctagct	tttccagttt	gttagtcttg	gttgcacagt	ctctggagcc	9120
ttctattctt	ggaggctggc	gttttgagat	tcgcttctct	gcatagggct	gatctcagga	9180
tgactcggca	gagcctggct	ggttttattt	cttccttaat	ctttgccatt	tttaagagct	9240
cacatttggt	tccctttgca	gttggtgctt	gaacagttca	agaaaaccag	tctccatgtg	9300
gctaagagtg	ttttgaacaa	cagacatata	gtgaagatgc	tggaaaaata	cctcaagggt	9360
tgtgcttgca	agtaccacag	acaggaaaa	ctttcaaaag	ggaagatgaa	ccccaggagc	9420
agggaattga	atccagagtg	cagcattttg	catttctgag	tcttttgaca	gttgagggac	9480
actggaatgc	atcaagctca	ggaacatgac	aactgggatt	tctaagtagt	cagtgtctgc	9540
ctggggactc	tggggatgtg	gcgctgcttg	attaatcagt	gcgtaatgga	tttttaccat	9600
gaaaaatcct	gattgttttag	ccttaaaaatt	ctgagcaaatt	gatgggttagg	tgattttttta	9660
agaaaaaccc	aaggctagcc	ctactcggga	agctgggatg	ggaggattgc	ttgagcccag	9720
gaatttgagg	ctacagtgag	tgatgggtgt	accactgcac	ttcagcctgg	gtaacatagc	9780
aagactggct	ttgaaaataa	aggaaaagcg	ggaaccggga	attatggctc	atgcctgtaa	9840
tgccaatagt	ttgggaggct	gaggcaggag				

tgggagcagc	atatcgaagt	cccaaagtgg	gtgctcatgg	agagaaggct	ggttggaaga	10140
gctcccagtt	cttccttgtg	aaacccattt	tgctcagtg	tcatcccagg	acttttagcat	10200
ttggggcagg	tggctaagtc	ccagcccaca	acctgacttc	aggacctttg	ccctcctctc	10260
agttactaaa	cacttccata	tttgacagtt	ccatctatta	aaggcacaga	atctaaataa	10320
ccaattgaag	aaacatgact	ggggcggggc	tggtggctca	cacctgtaat	cccagtaact	10380
tgggaggctg	gggtggggcg	atcactttga	gttcaggagt	tcaagaccag	ccgggacaac	10440
atgggtgaac	cctgtctgta	caaaaaatac	ataaattagc	caggcggtgt	ggcatgcgcc	10500
tgtggtccca	gctactcagg	aggcggagg	tgcagtga	caagatcg	ccactgcact	10560
ccagcctgga	tggcagagtg	agaccttg	tcaaaaaaaa	aaaaaaaaaa	aaaaagaggg	10620
aggaacatg	actgatgtat	attttacctt	tgcagcttaa	gcaaggtaaa	agtttccaga	10680
gtcaagtgtg	agctcaggct	tctaagcg	tttttttttg	agtcagggtc	ttgttctctt	10740
ggtacccagc	caagagattc	ctgcagagat	tctctgcagc	ctcgaattcc	tgagctcaag	10800
agatcctccc	cactcagcct	gccaggtagc	tgggactgca	atagtacacc	accacacctg	10860
gctaattttt	tttttttttt	tttttttttt	tttttgagat	ggagtcttgc	tctgtcacc	10920
aggctggagt	gcagtgggtg	gatcccggt	cactgcaagc	tctgtgtcct	gggttcattg	10980
cgttctcctg	cctcagcctc	ctgagtacct	gggactacag	gcgcccacca	ccatgcctgg	11040
ctaattgttt	gcagggggat	ggggtggccg	ggcggtgg	ctcacgcctg	taatcccagc	11100
actttgggag	gccgaggcgg	gtgcatcacg	aggtcaggag	ttcaagacca	gcctggccaa	11160
gatggtgaaa	ccccatctct	actaaaaata	aaaaaaaaat	tagccaggcg	tggtggcggg	11220
cacctgtaat	cccagctact	tgggagggtg	aggcagtgaa	ttgcttgaat	ccgggaggtg	11280
caggtgtcag	tgagccaagt	tgcgcgcatt	gcactccagc	cttggcgaca	gaccaagact	11340
ccgtctcaaa	aaagaaaaag	agagatgggg	tttctactgt	ttagccagga	tggtctccat	11400
ctcctgacct	tgtgatctgc	ctgcttccgc	ctcccaaagt	gttggaatta	cgacgtgag	11460
ccactgcacc	cggccacatg	ctggctaatt	ttttaagaca	gtcttgctct	gttgcccatg	11520
ctggtctggc	ctcaagtgat	cctcccgct	tgacctccca	aattgctggg	gttacaggcg	11580
tgagcacctt	gccctaagca	tcatatttta	aaacatgttt	cctaactctg	taatgataac	11640
ttttagtttg	cttgtttttag	actacagata	gttttctatc	atatacttag	gagaattttg	11700
acttctgagg	gagtcagact	tggatttgaa	tcttgattcg	ccacgttgcc	cagggtggtc	11760
tcgaactcct	gagctccggc	agtcctccag	ccccagcctc	ccaaagtgtc	gggattacag	11820
gcgtgagcca	ctgtacctta	atgaaactaa	aatattactg	agtgtaact	tcctattaca	11880
tgccctttat	tttattttat	tttatttttt	tgagatggag	tctgactctg	tgcccaggc	11940
tgccaggctg	gagttcagtg	gcgtgatctc	gacttactgc	aagctccgcc	tcccaggttc	12000
acgccattct	gctgcctcag	cctcccgagt	agctgggact	acaggcgctc	gccaccatgc	12060
ccggctaatt	tttttttttg	tatttttagt	agagatgggg	tttctactgt	ttagccagga	12120
tggtgtccat	ctcctgacct	cgtgatccac	ccatcttggc	ctcccaaagt	gctgggatta	12180
caggtgtgag	ccatcacgcg	cggcctcatg	ccctttttta	aaaaacatca	agttaaggct	12240
gggctctgtg	acttttctct	gctggatcat	gcttgattaa	aaattgcagg	ccaggcacgg	12300
tggctctgtg	ctgtaatccc	agcatatttg	gaggccaa	caggcgatc	acctgaggtc	12360
tgaggttcca	gaccagtctg	cccaacatgg	tgaaccccg	tctccactaa	aaatacaaaa	12420
ttagccgggc	gtggtggctc	ctgcctgtaa	tcccagctac	tcaggaggct	gaggcaggag	12480
aatcacttga	aaccaggagg	cagaggttgt	ggtgagctga	gatcgcgcca	ttgcactcca	12540
tcctggggcaa	caaagcaaaa	ctccgtctca	aaaaaaaaaa	aattgcagaa	tgggccgggc	12600
atggtgggtt	acacctgtaa	tcgcagcgct	ttgggagggt	gagggtgggtg	gaaaccccat	12660
ctctactaaa	aacacaggag	gcggaggttg	cagtgagccg	agatgcgacc	actgcagtc	12720
agcctgggca	acagcgagag	tccatctcaa	aaaaaaaaaa	aattgcagaa	tatctccccg	12780
aggtgttttc	tgaatctgta	ggctctgaga	acatgtagga	ttcactcctg	tggcataatt	12840
tacagaagtg	tttcccttgt	ggactgctgg	ttctgaaaag	ctgacatccc	cgcaatcatg	12900
ggcctcctga	gctctgctta	caccacgctg	accggtgttt	cctctttggc	cagggtgagg	12960
accctttcac	cagtgaact	gttgatccag	aaatggaagg	agatgacaat	ttaggaggtg	13020
aggataagaa	agagacacct	gaggagggtg	ccgcggacgt	cttagcagag	gtgattacag	13080
cagcagtgag	ggcgtagat	ggggaaggag	cgcccgctcc	agagagcagc	ggggagccgg	13140
ctgaggacga	aggccccagc	gacacagcgg	agcccggtag	tgatcctcaa	gccgaacagc	13200
tgtgtggaaga	gcaggtgcc	tgtggaacgg	cacatgagaa	ggcgctcccc	aaggccagaa	13260
gtgaggctgc	agaggctgga	aatggcgccg	agacaatggc	agcagaggca	gaaagtgccc	13320
aaaccagagt	tgctcctgcc	ccagctgccg	cggatgctga	agtggaacaa	actgatgcag	13380
agtctaaaga	cgctgttccc	acagaatgat	gctcatttcc	ctgttccagg	gaaggcgttg	13440
ggatgatgga	tgcgttggtc	tttctccctt	ggtttgtaag	cagtacaagg	gcgtgtgctc	13500

cttttttatt	tttttcctta	attttttttt	ttatttgggt	gggaacagct	gaatactagg	13800
aatatatctt	gctctataga	ggattttttt	ttgtatgttt	caagcttcag	cctttaacct	13860
atacctttgt	agtgcaccat	atgggtgtgtg	actttcacag	gacttcgcag	cacctgggtc	13920
acatgtggca	ctgaccgcgt	cacatccacg	cactcccaaa	ggccagaagt	atctgaccga	13980
cctacgccac	tggaaacaca	cccaccgcaa	cctcaagaac	cagactgtgc	agagggcatt	14040
gcgtcccaat	ctttagtcct	tgctgaatca	gttctctaata	attttacctc	atttgtgttc	14100
cacctctaga	ttacttcagg	tttttttcct	ttaaaattag	ttactaccac	tcaaattgat	14160
ttacaaagag	aattttggcca	ggcacggtga	tgcataccta	taatcccagc	acttcgggag	14220
gccgtggtga	gaggatagct	taagcccagg	agttcaagac	caacctggac	aacatagcaa	14280
gaccccatct	cttaaaaaaa	aaggaaagaa	aacttgatgt	gattgccata	ggtggaataa	14340
tccaacataa	attgccatag	atagaaggta	tctgtaatat	atataatat	atataaaatg	14400
aaatatatgt	ttcatttttag	agaaataact	attacttttag	atcctttccaa	atctgagaaa	14460
gggagggttag	catgtgttca	aggttagcac	gcaacagaat	ttcctaaaaat	cagaagaatt	14520
ggaagatcct	ccccttttga	aatggccctg	ctgtgtcagt	ttccctgtgg	ccttttgaac	14580
tgtacatctc	acatgttggg	aaacgctggc	cactgggaaa	tcattagaaa	ggaggctgta	14640
gaatatttgc	cgagcctcta	ctgtatacca	ggggctaact	caccaagcac	attctaggaa	14700
ttggggccctg	ctcatgagga	gccttagtgg	agattccagg	tgaatattta	tgaaaaagtc	14760
aacattagaa	ctgaaaaatgg	aaataaactg	cttgaaaaga	cga		14803

<210> 9274  
 <211> 217  
 <212> DNA  
 <213> Homo sapiens

<400> 9274						
ggatactggc	agctgcactg	cacattgctt	cgtgcctgcg	agtgtgtgac	agcagacacc	60
tgcgggggtcg	ggagcaccca	ggcccaactgg	gtcctttgaga	ggcggggcgcc	cttcagcagg	120
tcctcttcattg	tccaatgcag	gagaccagag	ggtctgcagc	aacagcagag	caggcttaaa	180
tccctcatggtg	cagagcggcc	tgaggtgccc	cggcctg			217

<210> 9275  
 <211> 1122  
 <212> DNA  
 <213> Homo sapiens

<400> 9275						
gggtgacaga	gcaagactcc	gtctcaaaaa	acaaacaaaa	aaagattgaa	gtaatgaatt	60
ttatttctagt	ggtatgggga	accttgtttc	tgacagtagg	ggaagctatc	atgttcctgg	120
taggaggttg	catcttattt	caagcgggtg	gaaaacagga	cctggctttg	cattagtaac	180
tgaagccagg	tggtgaactc	tcagcatgtg	taaggagccg	gctgagaagg	agctttgctc	240
ccatgatatt	aaattatctg	attattgaaa	acttttgtaa	atggtcatta	gtgagcaaat	300
tgtcttttta	aaaattctat	tatgaaagag	ttttaaaactt	aacagaaaaat	aggcaagaac	360
agtgccaaaga	actcctgtac	actcctttgc	ccagagacta	ttccttttaga	gcaaaggcta	420
cagcccagaa	tcacgcgctt	caccccattc	atcacagctc	tcctttctgt	ccatctgggtg	480
ccactcctca	gttttccctga	acttccgcga	ttttggcggt	tgtggagggt	ataggctgat	540
cattttgttag	aatgtctttc	aatgtggatt	cgttgatgtt	tctgcatgat	tagacccac	600
ctgtgtgtac	ttgaagcctg	aatgtcacag	actctgttct	ttttatccta	ttctgtgtct	660
ttctgtccag	ttactgggtga	ggttactgct	gtcgccttga	agcacaagggt	gttctggggt	720
tgtcttgttt	tttcatgacc	ctgtaactgg	ccacatcttc	aaggagcgct	gcttccatat	780
agtggagggg	ggtgttttga	aatgagatct	ggttgctggg	gtgcctattt	ccactagggg	840
attgcagctc	ccagaccttc	tcataggata	gagctagggg	acttgtacat	ttatagttat	900
ttctgtatct	gcgtcatata	tcatgttcac	acaaatgcat	ctaattccaa	tctaacatca	960
cagagttgtc	ttttaaaaat	atgacaagct	ggccatgcgt	gatggctcac	gcctgtcatc	1020
ccagcacttt	ggcaggccaa	ggcaggccga	tcacctgagg	ttgggagttt	aagaccagcc	1080
tggccaacat	ggagaaacct	cgtcttttact	aaaaatagaa	aa		1122

<210> 9276  
 <211> 191

<212> DNA  
<213> Homo sapiens

<400> 9276  
gatgcaccca ttgtactcca gcctgggcaa cagagcgaaa ctctatctca aaacaaacca 60  
accaaccagg attgaagttt ctatttttct attttcacat acacattttc ttcagccata 120  
ttatatgtgt atgtatagcc tacattggct aaatctgagg aacaccacaa acatcagata 180  
aatctctcat g 191

<210> 9277  
<211> 1936  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (1768)  
<223> n equals a,t,g, or c

<400> 9277  
tttttttttt ttgtattttt agtagagacg ggggtttcac cgtatttagcc aggatggtct 60  
ccatctcctg acctgtgtgat ccgcccgcct cggcctccca aagtgtctggg attacaggcg 120  
tgagccacca tgcccggcct caacgatatt gattctttgg gctgtagtca gtattggatt 180  
atgatcaata ttatcaccat ttattttgtt gctacagttc tccagctgt ggccaatcct 240  
tcagttggat tcttgttttc catcaacatt ctccatcctg gctttttgtt ttgagcactt 300  
ccttccttcc tagcaccacc aggcctctgt attatccctg tccctgccct ggaatcgact 360  
cctcctccag agagccctgg tttcttttgt tagaggatgg tatatagaat ccaacatgca 420  
gacactcggg ggacttattg ttactggggt tttgtttatc tagggtttca gtggtcagtg 480  
ctagtatttta tgtatgttaa cccacgctgt gctttggatt caggctattt caaatttttag 540  
ataatatggt acatatatta ttaataaccac tagttactac attggtactt ttcagcaaaa 600  
tatatctaag tgggatcaaa tgagactgta aatagcttta catcagttca ggtcagttat 660  
gttgctaaat tacttttggc attaagttta gggaaaaaaa attgggtttg ggattttttg 720  
gtttcaacat ttgtgattga gagactatgg acctgtaata agtccaagaa cagcagttgc 780  
agtgtaacag gactgttaat ggaatcgggt catttagaaa cagtcaagac ttcgctgttg 840  
tgcattgtgg taggagccag tgcacacgtc agttcttagg aaatgtacag tctgagcaat 900  
agcatttgaa atccaagact ctcccatgtg tgttgctgtt gagtgtagaa aataaaatgt 960  
gtgaatttct ttatcttgag tattgagatt ctccccttag aataaaacaa gaatttttct 1020  
ctcagtgtaa aaatgtcaag ttttattctt gaaatgaata gcaaagttaa gcttaaaaac 1080  
gtgaacagct tcagaactat aaatgggtat gtataccttt ctgctgtcta agggcagaga 1140  
agggaaagaa agtgtggtgc ttatcagagg agacagcagc aagacacatt gtgacagaaa 1200  
accaagggtg tcctgtgtca cagtgaagtg taatgagggc acctctcctt tcaagagacg 1260  
aagattgaat acatgggaag cacactctcc gctgtgtgtt gtctaggaga ggtgcaccct 1320  
gtatggaaat atttgggaag gtttaagatta agacaggggt aaataaagca aaggcaaata 1380  
acaaagcaag ggctaattgtt aatatgaaa gtgcagaatt caaggaaaaa gcatggggac 1440  
aaagaagatt tttcctcttt ttggttgctg ttcagtgtga gcctacaaca gaactataag 1500  
acctatagac atttatatga atattttattt gaaaacgtat aatatcaaac aatgtaaaag 1560  
ccaatagaaa tctcagataa ttgaatgtat agaaactagc agtttgaaag tgattagttc 1620  
attatttgct gatcaagcag aaaaataagc atatgaaaga tattttaaata gggattaata 1680  
aagttgattt aacagatcct attccatgtc ctttgaatat ttatagaaat taaatggaac 1740  
aaattagggc atcaggaaaa ctatacanaa gtctttacca aaaaaaaaaa tatatatata 1800  
tatgtgtagt actacctata tatatacata atatatagta ctgcttatat atatatatgc 1860  
ctatatgtac acatatatat atacatgtat aggcagtact atgttttctg atcataatat 1920  
gttaaattag taaaaa 1936

<210> 9278  
<211> 4602  
<212> DNA  
<213> Homo sapiens

<400> 9278

cccagctcag	ctactcagga	ggctgaggca	ggagaatcgc	ttgaaccg	gaggcagagg	60
ttgcagttag	ccaagatcgc	accattgcac	tgcagcctgg	gcaacaagag	cgaaactcct	120
tcgccaaaaa	aaaagaaaaa	aaataaaagc	taattacaaa	tacaggaaaa	tgatagggcc	180
atgtgtttat	aagtttgagc	tcttgagcca	gtgacttccc	tgcacgttca	gctttctcct	240
ttgtgaaatg	gtaatagaag	cacgctgcac	aaaaaattct	tgtggattac	atgtgagggg	300
cttagaaaca	cttgatgtgt	aagccaacta	ttatgtatta	ctgtatatgg	aacacaaggg	360
atgtagccaa	aactaaatgc	aagtttgtgc	ctcagatgtc	ttcctatcag	aacagagtc	420
aatccagatt	ttgatgctta	aatgtgacag	cttattcaga	tttagaaaaa	cttttgggtat	480
gggccaaaga	aaacatatcc	ttaaggggat	atggccccta	ggccctcatt	ttccttttct	540
gtctgagcaa	ttaaaaaaag	cattaagtaa	attccacaaa	ttcctttggaa	tacctagaga	600
taaacagata	tcatgttaac	tgtatgataa	taagttagaa	tacttgcaac	aaaatgcaga	660
gttttctagg	aaaacaagta	atcattcaga	aataagaata	tgaatagttc	ctcagttctc	720
cccctttgtg	gaatttgtgc	agtaaatgct	gctccaaagc	tctgtggaaa	acagaagctt	780
cccatgaaaa	atctgacaag	ggatctcttc	agaaagagag	ctgtaatccc	agcactgtgg	840
gaggctgagg	tgaggagtatt	gcttgaggcc	aggagttcaa	gaccagcctg	ggcaacgtgg	900
taagaccccc	atctgtaaaa	aaaataataa	ttagccacgc	gtggtggtgc	acacctgtgg	960
tcccaattac	tgaggagact	gaggcggaag	aatcgcttga	gcccaggaga	tggaggttgt	1020
cgtgagctag	gatctgccac	tgcactctag	cctgggtgac	agtaagacct	ttgtctcaaa	1080
aaaaaaaaaa	agaaaaactg	cagattgggtg	actcttacga	agatagatgg	aaatgttcta	1140
aataaaacac	acttaggata	tggaataata	tatatattaat	gtactattct	gaccaaatgg	1200
agcttaatac	gatagcttga	gaatgattta	atgttacgaa	atctgttaat	tgcattatct	1260
caataataga	tcgggtgaata	actttattat	tctctcaaca	aatcctgtat	ttgatttaca	1320
aatggatgg	gaggtttcag	ggagagcagt	tggaagcctg	tgtgctcacc	tgtaggaac	1380
gagagtggca	acagcagtgg	ggaggagtgc	tcggctcctg	cacctgtctc	gatggcagag	1440
cccacaggct	tggtgacag	acgtgggatg	aaggaaagag	aagcctctca	ctcttcccac	1500
agcattgtag	tgcgatttca	tgcagaagtc	caagcagggt	ccaggacaat	tgtgtaagaa	1560
gctatggaca	agaacgtcta	agaaacggaa	atgacataga	ggatttgcac	tgtagctaag	1620
acttcacgca	aggctgtggc	cagctgaaag	catgttctgg	tgctggggct	gcgtggcaga	1680
cccgaggacc	caggatccag	cgcactgggc	accgacctgg	gacctgggtc	tctttgcgtg	1740
tggaagagat	ggcatttcca	gttattggca	ggtgaatgct	ggccttttag	ggaaaaaaa	1800
atattagaat	tccatacaga	ataaagaatg	aagatgagag	gttaaagggt	tttctaaggc	1860
atgaagagct	gtgggggcag	cctgcccttg	ttctttttgt	cgtgtgtcct	tcacatgcag	1920
taactctgtt	cacgcctcac	aaaaacccta	tgaggtggag	acctgccatc	aaccttctct	1980
gcacgggtgc	cactgaggcc	ccaagggtta	atcatttccc	agagtgtatc	agcagaggca	2040
cagccacaga	gacacgtccg	cacagagagc	tttccagatc	accagtaaca	gcgtgagatc	2100
atggtgcaga	aggatcatgag	gaggatggca	acgagcgaga	cacagccggt	tggtgctcac	2160
aaggacattg	gtagatctga	ctgagggcca	ggctggctag	gccttcccag	gtgacaggag	2220
cccagtcceg	gccttgggtg	acacagcgcg	tccttgtgct	ttctcaggag	agcttcactg	2280
gggacactct	gtgatgtttt	tggagggtca	tttggtaatg	tggtcaggag	ccaaaaaata	2340
tgcataatat	tcagtcttac	aattacattt	tttgaattta	tctcaaggaa	atcccaggga	2400
tctgtgtgaa	gctgcacatg	ctgctgctgc	tcagtgcggg	actgtttata	atatttgtta	2460
ctcaaatgtc	cagaagaact	gtacactctg	tgcattgttt	cagtaagtct	atatttgtta	2520
gaaaaagtgg	gtgtgtttgag	agacaaaattt	ttgtgtacat	ttacctggaa	acaagcagta	2580
gtacacatat	gcatgcatga	agtgggtgtt	tcctgagtgt	taagattgtg	aatgttttat	2640
tatgatcatt	tctacttttt	ctattggaaa	atactttgtg	taattaaaac	atgaagatgg	2700
agctaccatc	aaaaatgggtg	gcaatagagc	actgttctct	ctgggggtggc	ctggtgggac	2760
tgagggaact	aggtggtgat	gaggagtggc	cttgagtccc	tttcttttcc	atgggacagt	2820
ggggacgaga	gctagagtga	tgaggcagggt	taagtgtgtg	cctacctccc	tgtggctgga	2880
gactgttgt	ggccaccccc	ggacccccctg	agcctgggtg	cgccctggct	tgctgggtccc	2940
agcctaggga	gtggggccct	atgggcagag	ggtgaggtgg	ctgtgctggc	actgcagctc	3000
aggcacacac	acactggagt	gttccaatgg	gtgatcagg	tgatggagc	cttgaaatta	3060
agtcagtgat	gtaattttta	taatctgttt	cactttaaaa	caaaaatctt	tgcacacctg	3120
gtccaagttt	tctccccctt	cttctgtgtg	ctgccatgat	gaaagcagaa	gggaccaccc	3180
tccagggaga	gcagcaggaa	gggagatgcg	ggtagggggc	ctgggtcagc	aggggagggtc	3240
agtccggagg	tgcaccccca	tttattctct	gttctggaag	agatttctag	tcacatgcac	3300
gtggctcctg	tgccacatgt	gtcatgaggt	gccaggtggg	gtttggattt	ggatgagggc	3360
atcttttagg	atgcaggggg	tttgtcatat	cctgtggggc	ccgtgtacac	ccctggggca	3420
gatgtggcct	ctaacagggg	aggggtgcgtg	gatctctaag	ccggggaggga	aagcagattg	3480
cagacttgcc	gaagtgggag	ctgtctgctc	ttgtgttttc	tttaggggca	ggagaatttt	3540
gccagcagct	ccctcgtggc	tccctccaca	ccactgacct	ttacgcatcc	aaggttggag	3600







accaagggta	tccgtgtgca	cagtgaagt	taatgagggc	acctctcctt	tcaagagacg	1260
aagattgaat	acatgggaag	cacactctcc	gctgtgtggt	gtctaggaga	ggtgcaccct	1320
gtatggaaat	atttgggaag	gttaagatta	agacagggta	aaataaagca	aaggcaaact	1380
acaaagcaag	ggctaattgt	aatatgaaaa	gtgcagaatt	caaggaaaaa	gcatggggac	1440
aaagaagatt	tttctctttt	ttggttgctg	ttcatgtgta	gcctacaaca	gaactataag	1500
acctatagac	atattataga	atattttatt	gaaaacgtat	aatatcaaac	aatgtaaaag	1560
ccaatagaaa	tctcagataa	ttgaatgtat	agaaactagc	agtttgaaag	tgattagtct	1620
attatttgct	gatcaagcag	aaaaataagc	atatgaaaga	tattttaaata	gggattaata	1680
aagttgattt	aacagatcct	attccatgtc	ctttgaatat	ttatagaaat	taaatggaac	1740
aaattagggc	atcaggaaaa	ctatacanaa	gtctttacca	aaaaaaaaaa	tatatatata	1800
tatgtgtagt	actacctata	tatatacata	atatatagta	ctgcttatat	atatatatgc	1860
ctatatgtac	acatatatat	atacatgtat	aggcagtact	atgttttctg	atcataatat	1920
gttaaattag	taaaaa					1936

<210> 9281  
 <211> 4602  
 <212> DNA  
 <213> Homo sapiens

<400> 9281						
cccagctcag	ctactcagga	ggctgaggca	ggagaatcgc	ttgaaccctg	gaggcagagg	60
ttgcagtgag	ccaagatcgc	accattgcac	tgcagcctgg	gcaacaagag	cgaactcctt	120
tgcgcaaaaa	aaaagaaaaa	aaataaaagc	taattacaaa	tacaggaaaa	tggataggcc	180
atgtgtttat	aagtttgagc	tcttgagcca	gtgacttccc	tgcacgttca	gctttctcct	240
ttgtgaaatg	gtaatagaag	cacgctgcac	aaaaaattct	tgtggattac	atgtgagggt	300
cttagaaaca	cttgatgtgt	aagccaacta	ttatgtatta	ctgtatatgg	aacacaaggg	360
atgtagccaa	aactaaatgc	aagtttgtgc	ctcagatgtc	ttcctatcag	aacagagtca	420
aatccagatt	ttgatgctta	aatgtgacag	cttattcaga	tttagaaaaa	cttttggtat	480
gggccaaga	aaacatatcc	ttaaggggat	atggccccta	ggccctcatt	ttccttttct	540
gtctgagcaa	ttaaaaaaag	cattaaagtaa	attccacaaa	ttctttggaa	tacctagaga	600
taaacagata	tcatgttaac	tgtatgataa	taagttagaa	tacttgcaac	aaaatgcaga	660
gttttctagg	aaaacaagta	atcattcaga	aataagaata	tgaatagtct	ctcagttctc	720
cccctttgtg	gaatttgtgc	agtaaatgct	gctccaaagc	tctgtggaaa	acagaagcct	780
cccatgaaaa	atctgacaag	ggatatctct	agaaagagag	ctgtaatccc	agcactgtgg	840
gaggctgagg	tgggagttat	gcttgaggcc	aggagttcaa	gaccagcctg	ggcaacgtgg	900
taagaccccc	atctgtaaaa	aaaataataa	ttagccacgc	gtggtggtgc	acacctgtgg	960
tcccaattac	tggggagact	gaggcggaag	aatcgcttga	gccagggaga	tggaggttgt	1020
cgtgagctag	gatctgccac	tgcactctag	cctgggtgac	agtaagacct	ttgtctcaaa	1080
aaaaaaaaaa	agaaaaactg	cagatttggtg	actcttacga	agatagatgg	aaatgtttcta	1140
aataaaaacac	acttaggatc	tggcaatata	tatatttaat	gtactattct	gaccaaattg	1200
agcttaataca	gatagcttga	gaatgattta	atgttacgaa	atctgttaat	tgcattatct	1260
caataataga	tcggtgaata	actttattat	tctctcaaca	aatcctgtat	ttgatttaca	1320
aatggatgg	gaggtttcag	ggagagcagt	tggaaagcctg	tgtgctcacc	tgttaggaac	1380
gagagtggca	acagcagtgg	ggaggagtgc	tgggtcctctg	cacctgtctc	gatggcagag	1440
cccacaggct	tggctgacag	acgtgggatg	aaggaaagag	aagcctctca	ctcttcccac	1500
agcattgtag	tgcgatttca	tgcagaagtc	caagcaggtt	ccaggacaat	tgtgtaagaa	1560
gctatggaca	agaacgtcta	agaaaacggaa	atgacataga	ggatttgcac	tgtagctaag	1620
acttcacgca	aggctgtggc	cagctgaaag	catgttctgg	tgctggggct	gcgtggcgaga	1680
gccaggagcc	caggatccag	cgcactgggc	accgacctgg	gacctggtca	tctttgcgtg	1740
tggaaaagat	ggcatttcca	gttattgaca	ggtgaatgct	ggccttttag	ggaaaaaaa	1800
atattagaat	tccatacaga	ataaagaatg	aagatgagag	gttaaagggt	tttctaaggc	1860
atgaagagct	gtggggggcag	cctgcccttg	ttctttttgt	cgtgtgtcct	tcacatgcag	1920
taactctgtt	cacgcctcac	aaaaacccta	tgagggtggag	acctgccatc	aaccttctct	1980
gcacgggtgc	cactgaggcc	ccaagggttaa	atcatttccc	agagtgtatc	agcagaggca	2040
cagccacaga	cacacgtccg	cacagagagc	ttccagatc	accagtaaca	gcgtgagatc	2100
atggtgcaga	aggatcatgag	gaggatggca	acgagcgaga	cacagccggt	tgggtgctcac	2160
aaggacattg	gtagatctga	ctgagggccca	ggtcggctag	gccttcccag	gtgacaggag	2220
cccagtgcg	gccttggtgc	acacagcgcg	tccttgtgct	ttctcaggag	agcttccactg	2280
gggacactct	gtgatgtttt	tggagggtca	tttggtaatg	tgttcaggag	ccaaaaaata	2340
tgcataatat	tcagtccttac	aattacattt	tttgaattta	tctcaaggaa	atcccaggga	2400

tctgtgtgaa	gctgcacatg	ctgctgctgc	tcagtgcggg	actgtttata	atatttgtaa	2460
ctcaaatgtc	cagaagaact	gtacactctg	tgcattgttt	cagtaagttc	atatttgtaa	2520
gaaaaagtgg	gtgtgttgag	agacaaattt	ttgtgtacat	ttacctggaa	acaagcagta	2580
gtacacatat	gcatgcatga	agtgggtgtt	tcctgagtgt	taagattgtg	aatgttttat	2640
tatgatcatt	tctacttttt	ctattggaaa	atactttgtg	taattaaaac	atgaagatgg	2700
agctaccatc	aaaatggtga	gcaatagagc	actgttcctc	ctgggggtggc	ctggtggggc	2760
tgagggactc	aggtggtgat	gaggagtggc	cttgagtccc	tttcttttcc	atgggacagt	2820
ggggacgaga	gctagagtga	tgaggcaggt	taagtgtgtg	cctacctccc	tgtggctgga	2880
gcactgttgt	ggccaccccc	ggaccccctg	agcctggtgt	cgccctgggt	tgctgggtccc	2940
agcctagggg	gtggggccct	atgggcagag	ggtgaggtgg	ctgtgctggc	actgcagctc	3000
aggcacacac	acactggagt	gttccaatgg	gtgatcaggt	tggatggagc	cttgaaatta	3060
agtcagtgat	gtaattttta	taatctgttt	cactttaaaa	caaaaatctt	tgacacacct	3120
gtccaagtgt	tctccctttt	cttctgtgtg	ctgccatgat	gaaagcagaa	gggaccaccc	3180
tccagggaga	gcagcaggaa	gggagatgcg	ggtagggggc	ctgggtcagc	aggggctggc	3240
agtccggagg	tgcaccccca	tttattcctc	gttctggaag	agattttctag	tcacatgcat	3300
gtgggtcctg	tgccacatgt	gtcatgaggt	gccaggtggg	gtttggattt	ggatgagggc	3360
atcttttgagg	atgcaggggc	tttgtcatat	cctgtggggc	ccgtgtacac	ccctggggca	3420
gatgtggcct	ctaacagggg	aggggtgctg	gatctctaag	ccggggagga	aagcagattg	3480
cagacttgcc	gaagtgggag	ctgtctgctc	ttgtgttttc	tttaggggca	ggagaatttt	3540
gcccagcagt	ccctcgtggc	tccctccaca	ccactgacc	ttacgcattc	aaggttggag	3600
ccctggcagg	taaaggggta	gcaaggtgca	gttgccctgt	agcagctgtg	gaggggcctt	3660
tcctgtttga	cacttctctg	gaggggtctc	gaccccttgc	agactctgga	catcacttcc	3720
tagagggggc	tgggtctcct	tagtctctgt	agtaaagctt	tggttttgat	gactgtctca	3780
gggaaaggta	gaaaggtgct	tgggtggcagt	gaacttctct	ctgcagaagt	gggtgtgacc	3840
ccagtgtctg	agaatgggct	gtgagccgag	tttcccgcac	ctgcatgagt	gagcgcctat	3900
gtcctttctc	acagagcgtc	ctgctgtcac	tttggtttgt	gttaactttg	acgcctttct	3960
tgtttcttac	tctgtcttcc	tgcattggag	acacagcccc	ggctcccttt	cagtctgcat	4020
ggcagacacc	tggcctctgc	aggtccagtt	cattctgtgt	cccccttcgg	tcgtccctat	4080
gttgccgtca	ggtgattgag	ggtgaaggct	ggccttggca	gcccagtgga	aagtcctctg	4140
actcctggcc	gtcagtgcca	ggtctccagc	ctttgggagg	aggaaaactt	tatttaacaa	4200
agaaatggaa	ttgactttgc	cacacacagc	cagagcgatg	attttagtag	ccaacctgct	4260
gagacattca	aagcatcagt	cgtagggtca	ggaccgccag	gtgaggtgtg	gctccacctg	4320
cagcagcctg	gggcagggtg	cctagcctct	ggcttttagc	tccccttctg	tgaaatgggg	4380
aaagtgatgg	gacctggctt	tgtagggtgg	ttgtgaggac	ctacaggggt	ttttgcaaaa	4440
tacttagccc	agggctgact	aaaagattca	gagacgctgg	gcatggtggc	acacacctgt	4500
agttccaggt	actcgagagg	ccgaggcggg	aggatcactt	gagcccagga	attaaagtcc	4560
agcctgggca	acatagttag	accttatttt	ttaataaaaa	aa		4602

<210> 9282  
 <211> 166  
 <212> DNA  
 <213> Homo sapiens

<400> 9282						
actgattctt	ttttttttgt	ttttttttga	gatggagtct	tgctctgtcg	ccccggctgg	60
agagcagttg	cgcgatctcg	gctcactgca	agctccgcct	cccaggttca	cgccattctc	120
ctgcctcagc	ctcccagata	gctgggacta	caggcgctgc	cgtgcc		166

<210> 9283  
 <211> 10719  
 <212> DNA  
 <213> Homo sapiens

<400> 9283						
acagtcccca	ctgacgggag	cagcagaaat	gaggtgagtc	ctcgcccttc	ctggcaggga	60
tcttggtccc	ttccccggg	acagcttgcc	cacctggccc	tggccttggc	cccttcccag	120
tctgcattct	gtgtccagcc	tgtgtctgtc	tgtggcctct	ccttgagggc	atacagacag	180
ttgagaacca	gcctcatgca	ggccccacac	catgttctcc	aggaggaaca	gtcattgagc	240
ttctaagtct	ggacacctca	ggagggtcag	ccacaggggg	caccactgg	tcaggtgtat	300

aagttcattt	agggctcgta	gttcctagtg	aagccgagcg	gtgccgtttt	gcacataagg	360
aagcagtgac	ggggacagca	cagtggccca	tctgcctctt	gccttgctct	tcaccaggat	420
gcctgggtgtg	tccctccatg	gccaggcctt	acagaacgca	gtcccacctg	gagcagccac	480
tcggacccag	cagcccccca	ttgttgccctg	ctccaagcct	cacatctaac	cctagctgcg	540
gctgtctgct	gggaagagcc	aagtccatag	ggcccttttg	gcacatggcc	aggcctctga	600
ccctgtggct	gctctctagt	tctcaggccc	aggcaggatg	tcagtgcagg	atggagcccc	660
gccctacca	aggcttccag	gtgggcatga	gctcacaggc	aggccaggga	gtagggaaag	720
gctgccctgg	aggaggccac	cattggtgca	gattccttgg	cccctctacc	cccactgctc	780
caagaaaagg	tggcctaggg	gcattataga	ttgggaattg	aggggttgga	gtgttaggtc	840
atgccttggc	ctgggaatgg	gaccgccc	ccagggttct	ctccctgcc	acccaggtcc	900
ctccagtg	tctcctttct	ttcccaggag	acccagcag	ctccaacacc	cgccggcgcc	960
actggaggca	gctcagcctg	gctagacagc	agctctgaga	ataggggcct	tgggtcggag	1020
ctgagtaagc	ctggcggtgct	ggcatcccg	gtagacagcc	cgttctcggg	ctgcttcgag	1080
gatcttgcca	tcagtgcag	cacctccttg	ggcatggggc	cctgccatgg	cccagaggag	1140
aatgagtata	agtccgagg	cacctttggg	atccacgtgg	ctgagaaccc	cagcatccag	1200
ctcctggagg	gcaaccctgg	gccacctgcg	gaccgggatg	gcggccccag	gccacaagcc	1260
gaccggaagt	tccaggagag	ggaggtgcc	tgccacaggc	cctcacctgg	ggctctgtgg	1320
ctccaggtgg	ctgtgacagg	ggtgctggta	gtcacactcc	tgggtggtgct	gtaccggcgg	1380
cgtctgca	agtgaagccc	tgggctcttc	ccaccaccca	tctgttccgt	tcctgcagta	1440
caactggccc	gttcccgaag	ccccttgctc	ctttcttggg	gattgtggag	gctgggtcag	1500
aggggagtta	agggactgca	ggcctggcag	caggacatgc	cttggctgaa	ccaagtcctg	1560
agagcagcat	ctctgtcccc	acggtgcctt	gtgtgggtcc	ccgtccttgg	ctttctgggt	1620
cctgggctgc	ccccagtgtc	ccagaccttc	cccactggca	atccagggtta	tcacccatgt	1680
cctccagagg	agcttctctc	tccaggcctc	agccctgttg	gcccagggtgg	agcaggagg	1740
accactggaa	catgtggtgc	ttgggaatgc	ctctcctgtt	gcattggtcc	ctgaaggcct	1800
cagggcaggt	atgtggtgtg	tgggcgactc	cacaagacct	gcctcccatc	ctggcagccc	1860
agcctgagac	cgttgcat	aggcaggcag	gagcggcagg	gtggctgctc	tccaggagcc	1920
caactgcctt	gagttctctg	cccactgggc	cccctcccct	gctgggcaat	cctgggaagg	1980
tctggagggt	cctgtggacc	tcagggaagc	caggggcagc	tgtaggcct	gaggaagacc	2040
tgtggagctc	ctctccagcc	tcctctttcc	ctcccctctg	gtctccattc	tcttcagctc	2100
cctacatggg	ctggggaggga	gacacctggt	gggcagagct	caggcagagg	tttggatttc	2160
agctccctca	cttccggggc	tgtgtggctt	tgtagcatgt	cagacttctg	gtcttgcttc	2220
tccacgtgga	cagtgagtat	ctggctcatt	cttccactggg	ttcttctgag	attgaacct	2280
caggtgtttg	ccaagtgcct	ggcccagagc	aagtggccac	tgcttctccc	atctctctcc	2340
tgcccaacct	ggtagagctg	agggcatgag	aggcagagt	cacagtggtc	aaggggtcag	2400
ctctgcagca	caggcagcct	aggcctgcgt	cccaacctgc	ctctcaccag	ctctgtgacc	2460
ttgggcaagg	gatttatctg	tctgtccctt	agttttctca	cctgtaaaag	gaggataagt	2520
atatatatat	atctccag	gttgtgaaga	ttaaaggagt	ttatcgatgt	aggtcttagg	2580
atgagtcctg	gcattttacca	aggggtggat	atatgttatt	atcactatta	agtgttgagg	2640
gtccaggcat	gctgggcaac	agggaccca	tctctacaaa	aaagtttaaa	aaattagcca	2700
ggcgtgggtg	tgacacctgc	gtcttagcta	cttgggaggc	tgaggtggga	ggatcacttg	2760
agcccagaag	cttgaagctg	cagtgaagca	ggatcgtgcc	actgcactcc	aacctgggtg	2820
agagagcgag	accctgtctc	aagaaaaaga	aaaatgcaga	gaaacaggag	tcttggtac	2880
tccttttagag	gcagactcag	accctcctgc	ctcacagctt	tatctttgta	tttgccccctt	2940
actttatctt	gtgccttgag	aaattgtctg	ggagagaggt	atgtccactg	ggcagctgta	3000
caggatggag	gatatagggc	gtttccactc	ccagcagcca	ggttccctca	ccccagctc	3060
accactgtt	ggggagatta	tctacaataa	caccagaaac	acattggggg	ggattggggg	3120
tatccttatg	ggttcttttc	agggaaacct	tgctggacaa	ggcacaggag	ccacctccat	3180
ttctgagctc	tgcaagggac	aagaactaga	gccatcaggg	gctgggctca	ctgtggcccc	3240
acccaagcc	gtcagcctcc	agggatctac	accctgcctt	ggctgctaca	gctttttcac	3300
tccactgcc	taggggagtt	cagcaacct	atgatctcta	tctctgaaca	tctcttcac	3360
ccatgctcca	agtccagcaa	cctgcacct	ggaaccagga	gtggacccta	cccagctgt	3420
ctgtattaat	ccccatcccc	caccaccaat	cttaaaaagc	cctctgtccc	cctaccctaa	3480
acccaagtta	ggtagcctag	ctgggcaggt	cagttaaaca	tttatgcaca	ggtactagtt	3540
ttattgtatt	accgttccag	ggtagctttg	aaaaaagtat	ctcaaaaagg	caacatgggc	3600
cgagcgcagt	ggctcacgcc	tgtaatccca	gcactttggg	aggccaaggt	gggcagatcg	3660
cctgaggtct	ggagttcaag	accagcctgg	ccaacagggt	gaaaccccg	ctctacaaaa	3720
ataagaaaat	tagccaggtg	tagtggcaga	cgtctgta	cccagctatt	caggaggctg	3780
aggcacgaga	attccatgaa	cccaggatgc	ggaggttgca	gtgagccgag	attgtgccac	3840
tgcgctccag	cctgggcgac	agagtgggat	tctgtttcaa	aaaaaaaaaa	aaaggcagta	3900
tgtagccccg	aagactgttg	cccaagtgg	agaatgttag	cacactacca	gcctaggtaa	3960

aaaatacaaa	aagtaactgg	gcatggcgcc	gcccattctat	agtcccagct	acatgggagg	4020
ctgaggtggg	aagataagtc	acttgagccc	gccaggaggc	ggaggttgta	gtgagctgag	4080
atcgaccac	tgcactccag	cctgggtgac	cgagtgtatc	tctgtctcaa	agaaaaaaaa	4140
ttataatfff	agcacagtaa	ccagccatga	tgggagatac	cctgggtaag	gcatgtagaa	4200
aggggttgagg	gaccttccca	gtcccttagc	cccgcctccc	atcctcccat	ctttttcttt	4260
tttctttttt	ttagagaatc	acccagcctg	gagcgaagtg	gtgcaatcat	aactcactgt	4320
atccttaaac	tcccgggctt	aagcgatcct	cctgcctcag	ccttctgagt	aactaggact	4380
tcaggtaact	gtcaccatgc	ctgggctaatt	aaattttttt	ttcttttttt	tttttgagat	4440
ggagtcttgc	tctgtcacc	aggctggagt	gcagtggcgc	gatctcagct	cactgcgacc	4500
tccacctctc	gggttcaggc	cattctcccg	cctcagcctc	cagagtagct	gggactacag	4560
gcgcctgcca	ccagccttgg	ctaatttttt	tgcactttta	gtagagacgg	ggtttctactg	4620
tgttagccag	gatgggtctg	atctcctgac	cttgtgtatc	gcccgcctcg	gcctcccaaa	4680
gtgctgggat	tacaggcgtg	agccaccgcg	cccagccaaa	ttaaattttt	tatagagatg	4740
agggtcatgct	gttatgttgc	ccaggttggc	ctcatgagat	cttgccttag	cctcccaaag	4800
tgtctgggatt	acagatgtga	gacactgcac	ccaaacccca	ccactttttt	ttttctcttt	4860
tctttttttg	agacagtctt	actccgttgc	ccaggctgga	gtgtagtggc	atgatctcag	4920
ctcactgcaa	cctccgcctc	ccgggttcaa	gcaattctcc	tgcctcagcc	tcccagtag	4980
ctgggattac	agaggcctgc	caccacaccc	gactaatttt	cgtattttta	gtagagacgg	5040
ggttttctcca	tgttggccag	gctgttcttg	aactcctgac	ctcaagtgtc	ccacctgcgt	5100
tggcttccca	aagtgtcggg	atacaggagt	gagccactgc	gcctggctga	tcccagcact	5160
tttcaaataga	tgcgctcaa	agccgtgact	tggcctactt	tgaacagcaa	acttgttgc	5220
gctgttgtca	acctgaaggc	ctctcaaatg	ccagcttcaa	gcagggtgtg	aattggccag	5280
tgtcagatct	caggagtctc	gtgttgagag	tgtggctttc	agctgcgggg	agctgcactt	5340
ggtggggaaa	gccaggcagg	tcacctcac	agccagataa	tgtggaggtc	agaacccaag	5400
gaaggagtg	agacctccac	tcccagtggg	ggacctggcc	acccatcctt	ggggacctga	5460
gaaagcgtac	ttcaccttgg	ggtgaaggct	gggtggggcc	agaggggacca	gtgccctcct	5520
cagtgccttag	gggcagagcc	acctgcagca	atggtatctg	catattagcc	cctctccacc	5580
ttctttctcc	cgctgaatca	tttccctcaa	agcccaagag	ctgtcactgc	ttctttctcc	5640
ctgggaagaa	tgcgtggact	ctgcctgggt	atagactgaa	gccagaacag	tgccacaccc	5700
tgccttaaat	tccctgttag	gtgttctcag	atttatgaga	cttcttagtc	aaatatgagg	5760
gaggttggat	gtggtggctt	gtgcctgtaa	tcccagcatt	ttgggaagcc	gaggtgggag	5820
gatcccttga	agccaggagt	ttgagacaag	cctgggcaac	aaagcaagac	cctatctcta	5880
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	atctaggaga	tgctctttac	5940
cctgcctggc	ctcaaactat	taatagcttc	ctttgagcaa	cattatttat	tatgaacttt	6000
caaacacaaa	aaagtagaga	gagtagaata	acaaatcccc	atgagcccat	cacccaactt	6060
cagtaattat	caattcatgg	ccatcttggt	cacccctgcc	tgcttccctg	cttccctcca	6120
ttctgcagag	gttcttttct	tttgagacag	agtgttgctc	tgttgcccag	gctggagtgc	6180
agtggtgcaa	cttcggctca	ctgcaacctc	cgcttcccag	gttcaagtga	ttctctctgt	6240
tcagcctctc	aagttagctg	gattacagat	gcccgcacc	acacctggct	aattttctga	6300
tttttgtag	agatgggggt	tcacctatgt	ggccaggctg	gtctcgaact	cctgacctca	6360
agtgatccgc	ccgccttggc	ctcccaaaat	gctgggatta	caggtgtgaa	ccacggtgcc	6420
tggccactgt	acaggttatt	tatagaagtt	ggagagtga	gggttgagaa	agccaagggg	6480
cagatgcggg	tctggaggat	tttgtgccta	aggcctctc	tttgctccca	gacagcatga	6540
agtaacaatg	aggcatccac	ctcttggttt	tgtggcctct	gtggatgacg	tctctcacct	6600
tgaaccagtt	cagagttaga	gtagcgcagg	atcctgtctt	cagaggaggg	gccgaagcgg	6660
gttctctctg	tgtcaagctc	tttgagggtg	cctggctgct	actactgtcc	cagagagggtg	6720
atgatgaatg	atgggtgtgt	ccagtggcag	tttgccccac	tgaggcaggg	gcttccacta	6780
ggcctgaca	gagcccttcc	agcaggcaga	aatccctgtg	ctaggcaaga	ttcaaactcc	6840
gtagcatgtc	tcctgtctcc	atctcttagg	aatggagtcc	ttcaggcctt	gagtccca	6900
ttttccatga	tgctccatta	agcagctgat	agcaccacca	cctccaggga	aagtgagttc	6960
agagtccttg	gtctaattga	tctgtgttga	aattgaggcc	ttcccctgtg	ttcacctttc	7020
tgctcttttt	cttttagccc	aaggctatga	aggcctcatt	cggtgctggg	catgggtcact	7080
cctagcatte	ctcactctgt	tgctaacagc	aacagcaata	ataataaggg	ttacaactta	7140
ctccatacct	tactgtctgc	caggcattaa	gctaagtgtc	ttacatatat	taagtcatth	7200
aatcctcata	atgaccttat	gaaagagata	ccatctcaac	ccaattgaca	gctgggttgc	7260
aagattagga	gggatgaagg	acccagggga	caatgcgagg	gaaaactctg	accccggggc	7320
cccaggctgg	atgttcttta	tgccctgtga	ccacagctta	tcacatgtct	ggagttaggg	7380
accccaacta	aagttagatt	ttggctggag	gtggtggatc	atacctataa	tcccagcact	7440
ttggggagacc	aaggcagaag	gactgcttga	ggccaggagt	tcaaaaccag	tgtaggtaac	7500
agctagaccc	tatctctaca	aaaaatttaa	aaattagctg	ggtgtggtgg	tatgtgcctc	7560
aagttccagc	tactcaggag	gctgaggtgg	gaggatcact	tgagcacagg	agtttgaagt	7620

tacagtgagc	tatgatggca	ccactgcact	tcagcctagg	caacagaggg	agaccctgtc	7680
tttaaagtac	atagaggttt	ttcacaccaa	cacatctctg	cccagtgtgc	caacatctgc	7740
cacctgctat	aatagtacta	taacactcaa	tatgtaatta	atgtagtctc	agggatgtta	7800
tgacaatatg	attacaacta	tcacgtgtgt	gcccagccag	gctcaatgcc	ccaggctggg	7860
cgaggtgggg	caggggacac	agcctaaaat	gccaggcctc	aggaagccat	ttgggtttagc	7920
agacattgtt	tattaaagga	gttacctatg	ccagatcgaa	ggcctaagat	gattaagaca	7980
ctatgagtgc	cttcaagtgg	ttggggacgt	tcatgattgt	ggtacagaca	aataggcttt	8040
cacatcattc	ttttatgtaa	tcatacaaca	gatatttgca	cctacatgtg	cagagcactg	8100
tgataggcct	cagtgcacac	gaataatacg	gcaaagaccc	cacccgatga	gccccctccc	8160
accacccacc	agtacagtag	ggggtggttt	aatggagtg	tcctggaata	tgaagtgggg	8220
gcaggcatta	ggggtggcaa	agggacaagt	gtttatctga	tcagttatgt	actgtttata	8280
ataagtaaat	cagcagaggg	ggaataatac	ttagaacctc	tagagagtaa	atctgacaag	8340
atgaaatgct	gatgaaaata	tggaggaaat	gaaactctca	tgggttttgc	agggaaatcta	8400
agtcagtgtc	gtgttggtga	tgtaggtgta	ccctttgaat	tcatatgttg	aatcctaacc	8460
cccaaagcaa	tggcattaag	aggtggggcc	tttggggctg	ggtatggtgg	ctcatgactg	8520
taatcccagc	actttgggat	gctggcaggg	ggcagatcac	ttgaagccag	gagtcctgaga	8580
tcagcctggc	caacatgggtg	aaacccccatc	tgtactaaaa	atacaaaaat	tagccagggtg	8640
tgatggcgta	catctgtaat	ttcagccact	cgggaggctg	agacaggaga	atagcttgaa	8700
cccagtaggt	ggagatttca	gtgagccgag	atcgtgccac	tgactccag	cctgggtgac	8760
agagcgagac	tccatctcaa	aaaaataata	aagatgtggg	gcctgtggga	ggtggttagg	8820
tcatgagggg	ggagatcatg	aatgggggtta	gcactttata	aaacaggctt	gagggagccc	8880
ttctgtccct	tctaccatgt	gtggatgcag	tgagaaggca	ccgtatctct	gaagcagaga	8940
gcccgccttg	gacactggat	ctgctggcac	cttgatcttg	gacttcccag	cctctagaac	9000
tgtgagaaat	aattttttgt	tgtttataaa	ttaccagggc	taaggtgttt	cattgtaacc	9060
tgaatggacc	aagctggtgt	gaccctgttg	gaaaactggc	agtatctacc	aaaagccgaa	9120
catacgata	aactgatcca	gcagttccac	tcctgggtat	gtacaccaca	gaaagctatg	9180
tccaccgaga	cattggcaag	aatgtttcta	accacacgct	gactgtagcc	ccaaacctga	9240
aacaacccaa	atgtccatcc	accaacccaa	atgtccatcc	acagttgaag	ctacagtga	9300
gtcacagggg	cgaatactac	tgacacgcaa	cgaatatgaa	tgaaaatatc	gctatgcaca	9360
gcaacatgga	taaatttcac	agacatgagg	tcaagcaaaa	gaggtcagag	tcctcatcat	9420
caagagagaa	ttcattgtat	gattctcttc	ctacaaaaag	tacagaaata	agcaaaaactg	9480
atccatgggtg	ttagaagcca	ggggaacagt	taacagggga	gggatactgg	ggaggggcat	9540
cctggagtg	tggtctacct	catctgggtg	ttgatttcac	gagtattgtc	agtttgtttc	9600
cagactccct	gttgagagatg	tggaaaataaa	aaccacctaa	acaagagcag	agaggccatt	9660
tggtcaaagt	ttgcaaagga	gtcagccatg	attgcttgta	tttggcaggg	gtcaaaggca	9720
ggcagggact	gtgaaatgtt	atagtggaaa	aaaaggggaag	gctctgggtg	tgctgtgatt	9780
ggagatttgt	ggcatgggga	cagagcggac	taactggagg	ggcatctttg	gttggttggg	9840
ggggtatatt	tggttttctc	tggttggtct	ggagtggaa	gagggggtgt	ggtggctggg	9900
gattgggaag	aagctggcag	ccactaagtt	cagactgttc	tgggtccgat	tgctgtgag	9960
gctgtggttt	ggcttccctg	gcttcccagg	ctgggtcatgg	gtttctggcc	agagtctatt	10020
gtcatatgtg	gcctggccat	tgtccagttg	tatgttcagt	ctcttggaag	gaagggtatt	10080
gactctgaga	ggggccacca	tcgctggaat	gggggacaca	cagtacttcc	tccagctgcc	10140
tacaccccc	tagggtcagt	ggcgctgcc	tgtgaggggtg	agcccaatgg	ctagagggct	10200
ctgctccaag	tcattgctta	ctacacccac	aaacattctt	cgttctttta	ggcctaactt	10260
aaagcccaga	tcctacagga	aaccttgatt	agacccctct	ctttattaag	cttcctaaga	10320
tcaaaccctg	cttttgtgta	aatgctgacc	tccttgccca	cattttaaaa	acctagagct	10380
gggcatgatg	gccccagcct	gtaatcccag	tgattcagga	gactgaggtg	ggaggattgc	10440
tagaagccag	gagttcgaga	ccagcctggg	taacatagct	agaccacatc	tcttaaaata	10500
aaatagttaa	tttagccagg	catgatgata	tatgcctgta	gtcccaacta	cttggaaggc	10560
tgaggtgtga	ggatctttga	gcccgggagg	tcgaggctac	agtaagctat	gatctcacca	10620
ctgtactcca	gcctgggtga	cagagcgaga	cccagactca	aaaaataaaa	ataaaaaccc	10680
tgaatatctt	ccttctactt	cttcagtgct	gttttttatt			10719

<210> 9284  
<211> 504  
<212> DNA  
<213> Homo sapiens

<400> 9284  
atagactccc tccctagacg ggaggactga caggcacagt gcagtggggc tgggtggaga 60

tgagcgagat	aagtagggcc	atTTTTgCgc	tctgCcaaag	ggactgtagg	gaacagccag	120
ggcctatagg	gcagtgggag	agggacagtG	aagggctGca	tcagctgttg	gcaggggaac	180
ctttaggcac	tgtcttaccg	cagagatctc	cagttcccag	tgaatcatga	aaacttctca	240
gtccccagag	gaagtaaggT	cttcatcatc	cagtggcctg	gactcaactc	cagatgtcag	300
tgctccccct	cagaaatata	tagttgtcca	tctggacctc	tcaggccagc	atgtctcttt	360
cctacttccc	aaactattcc	acatgacgct	ggTgcccagt	cagccctcag	tgccttgggg	420
cagccacaag	acacatgagc	agttagaggc	tgggagacgt	catcttagta	cttttgtcat	480
ccccaactg	ctccaagcac	ctgt				504

<210> 9285  
 <211> 517  
 <212> DNA  
 <213> Homo sapiens

<400> 9285						
caggcaaaat	gaaggggaagc	cctgggttct	tgtcctgcat	ccgcagccag	ctcccacttt	60
cctcaccctc	caggacctgt	aaactgtgag	gctggaccag	ttatgtcaaa	tctgtcctcc	120
cccagagctc	agtccctctg	cccttgggtg	tccttggcac	aaggcaggct	aggctgcacc	180
agcttctctc	atctcctgct	tgctcccccc	atccccaggt	gccattccca	caccatctga	240
atcactgatt	tcctcgcaat	cagacgctat	cttccagtta	atcacttcgc	ttgtatttaa	300
cataagaaaag	aaaaaccctt	tcattatcac	atacagctgg	aaatcggctt	cttgcaggag	360
gcgtatccaa	aggaattgga	gaagagataa	actggtaatt	ggtgaaagaa	ttactttaat	420
tttttttctc	acttgctgtc	atgatgatgt	ccttagaatt	gtgagcccgt	ggacacttct	480
gtacaataaa	tctgctatta	ttacttctag	aactaca			517

<210> 9286  
 <211> 102  
 <212> DNA  
 <213> Homo sapiens

<400> 9286						
gaggttgagc	tgagctgaga	tcacgccact	gcactccagc	ctgggtgaca	gagcaagact	60
ccatctcaaa	aaaaaaaaaa	aaaaaaaaaa	aaactaataa	tc		102

<210> 9287  
 <211> 109  
 <212> DNA  
 <213> Homo sapiens

<400> 9287						
ggcgtgaacc	caggaggcgg	agcttgcagt	gagatgagat	cgcgccactg	cactccagcc	60
tgggcgacag	agcaagactc	catctcaaaa	aaaaaaaaaa	aaaaaggac		109

<210> 9288  
 <211> 131  
 <212> DNA  
 <213> Homo sapiens

<400> 9288						
ggaggctgag	gcaggagaat	ggcgtgaacc	caggaggcgg	agcttgcagt	gagctgagat	60
tgcgccactg	cactccagcc	tgggcaacag	agcgagactc	cgtctgaaaa	aaaaaaaaaa	120
aaaaactggt	g					131

<210> 9289  
 <211> 91  
 <212> DNA

<213> Homo sapiens

<400> 9289

cccgaggagc	ggagcttgca	gtgagctgag	attgcaccac	tacactccag	cctgggagc	60
agagtgcgac	tctgtctcaa	aaaaaaaaa	a			91

<210> 9290

<211> 98

<212> DNA

<213> Homo sapiens

<400> 9290

cggagcttgc	agtgagccga	gatcgcgcca	ctgcactcca	gcctgggagc	cagagcgaga	60
ctccgtctca	aaaaaaaaa	aaagaaaacc	aagttaga			98

<210> 9291

<211> 135

<212> DNA

<213> Homo sapiens

<400> 9291

agactgagca	ggagaatggc	gtgaacccgg	gagggcgagc	ttgcagtgag	cagagattgt	60
gccactgcac	tccagcctgg	gtgacagagg	gagattctgt	ctcaaaaaa	aaaaaaaaa	120
aaaaaaaaa	gaatc					135

<210> 9292

<211> 125

<212> DNA

<213> Homo sapiens

<400> 9292

ctgaggcagg	agaatggcgt	gaacccggga	ggcgagcctt	gcagtgagcc	gagatggcgc	60
cactgcagtc	cagcctgggc	gatagagcga	gactctgtct	caaaaaaaaa	aaaaaaaaa	120
aaatt						125

<210> 9293

<211> 108

<212> DNA

<213> Homo sapiens

<400> 9293

tggcgtgaac	ctgggaggca	gagcttgagc	tgagctgaga	ttgcgccact	gcactccagc	60
ctgggcaaca	gagtgagact	ccatcttaaa	aaaaaaaaa	aaaatata		108

<210> 9294

<211> 101

<212> DNA

<213> Homo sapiens

<400> 9294

cagagcttgc	agtgagccga	gatcgcgcca	ctgcactcca	gcctgggagc	tagagcgaga	60
ctctgtctca	aaaaaaaaa	aaaaaaaaa	aaaaaagag	t		101

<210> 9295

<211> 87





<212> DNA  
<213> Homo sapiens

<400> 9300  
ggctgaggca ggagaatggc gtgaacccgg gaggcggagc ttgcagtgag tcgagatcgc 60  
gccactgcac tccagcctgg gcgacagagc gaaactccgt ctcaaaaaaa aaaaaaaaaa 120  
aaaaaaaaaa gaggggaaaa 140

<210> 9301  
<211> 114  
<212> DNA  
<213> Homo sapiens

<400> 9301  
gagggcaggag aatggcgtga accctggagg cagagcttgc agtgagccga gatcgcgcca 60  
ctgcactcca gcctggggcga cagagcaaga ttccgtctca aaaaaaaaaa aacg 114

<210> 9302  
<211> 63  
<212> DNA  
<213> Homo sapiens

<400> 9302  
ccactgcact ccagcctggg tggcagagca agactccatc tcaaaaaaaaa aaaaaaaaaa 60  
aat 63

<210> 9303  
<211> 616  
<212> DNA  
<213> Homo sapiens

<400> 9303  
aagagacgga gtctcactat gttgcccagt gcctaggctg gcctcaaatt cctggggtca 60  
agtgatcctc ctgcctcagc cttcagagta gctgggatta caggcatgca ccacactgtg 120  
cctgggtcat ctcatcttct agaattggata tattgacaaa gaaaagagaa gaaataagaa 180  
atgcaaaaaa tgcaccttca ccatatggcc ctttagctaa aagctacaaa gctaacaagg 240  
gtgtgccatc agaactatcc atgtacatgt acagagatga ttttaacagc tgccatgtga 300  
catgtggctt aaagtcaccc tgagtctact aaatggttgt gttgtcaata tatctaaata 360  
tggtacagt ctctccagag tgttcccatg atcaccacgt cctttgatca gtgccatctg 420  
gaagagcaga tgagtgcagc cctcctctca tctctctgt gctgggtccg aacgcttgct 480  
tacagacca ccaacaacca agaagctgca ctgggttggt cacactgcag caaacaagga 540  
aaacaagtag ataaaaagtc caacatcaaa aagaaaaaaa aaccatagaa acaattgaag 600  
agagaatggc taaagg 616

<210> 9304  
<211> 98  
<212> DNA  
<213> Homo sapiens

<400> 9304  
tgtgaacctg ggaggtggag cttgcagtga gcggagatcg tgccactgca ctccagcctg 60  
ggtgacagag tgagactcca tctcaaaaaa aaaaaagg 98

<210> 9305  
<211> 121  
<212> DNA

44706

```

ggctgaggca ggaaaatggc atgaacccgg gaggcggagc ttgcagtgag ctgagatcgc      60
agcactgcac tccagcctgg gcaacagagc gagactccat ctcaaaaaaaaa aaaaaaaaaa    120
a                                                    121

```

ctgaggcagg	agaatggcgt	gaaccagaa	ggcggagctt	gcagtgagcc	aagatcgtgc	60
cactgcactc	cagcctgggc	gacagagcga	gactccatct	caaaaaaa		108

ggagggcggag cttgcagtga gctgagattg cgccactgca ctccagcctg ggcagcagag 60  
cgagactctg tctcaaaaaa aaaataaata aataa 95

```
ggctcaggca ggagaatggc atgaaccag gaggcggagc ttgcagtgag ccgagatcgc      60
accactgcac tgcagcctgg gtgacagagc aagactccat ctcaaaaaaa aaaaa      115
```

```
gagctgggcag  tgagccgaga  tcccgcact  gactccagc  ctggggcgaca  gagcgagact  60
ccgtctcaaa  aaaaaaaaaa  aaaaaaaga  aaa  93
```

```
ggcaggagaa tggcgtgaac ccgggaggcg gagcttgcag tgagccgaga ttgtgccact    60
gcactccagc ctgggcgaca gagtgcagact ccgtctcaaa aaaaaaaaaa aaaaaaaaaa    120
aaaaaaaaaa aaaaaa                                     136
```

<211> 138

<212> DNA  
<213> Homo sapiens

<400> 9311  
cgggaggctg aagcaggaga atggcgtgaa cccaggaagc ggagcttgca gtgagccgag 60  
attgcgccac tgcactccag cctgggtgac agagccagac tcggtctcaa aaaaaaaaaa 120  
aaaaaaaaaa aaaagaaa 138

<210> 9312  
<211> 40  
<212> DNA  
<213> Homo sapiens

<400> 9312  
tgagactccg tctcaaaaaa aaaaaaaaaa agtgaaaagg 40

<210> 9313  
<211> 122  
<212> DNA  
<213> Homo sapiens

<400> 9313  
cgggaggctg aggcaggaga atggcgtgaa cccaggaggc ggagcttgca gtgagccgag 60  
atcgcgccac tgctctccag cctgggcgac agagcaagac tctgtctcaa aaaaaaaaaa 120  
ga 122

<210> 9314  
<211> 616  
<212> DNA  
<213> Homo sapiens

<400> 9314  
aagagacgga gtctcactat gttgcccagt gcctaggctg gcctcaaatt cctggggtca 60  
agtgatcctc ctgcctcagc cttcagagta gctgggatta caggcatgca ccacactgtg 120  
cctgggtcat ctcatcttct agaattggata tattgacaaa gaaaagagaa gaaataagaa 180  
atgcaaaaaa tgcaccttca ccatatggcc ctttagctaa aagctacaaa gctaacaagg 240  
gtgtgccatc agaactatcc atgtacatgt acagagatga ttttaacagc tgccatgtga 300  
catgtggctt aaagtcaccc tgagtctact aaatggttgt gttgtcaata tatctaaata 360  
tggctacgtg ctctccagag tgttcccatg atcaccacgt cctttgatca gtgccatctg 420  
gaagagcaga tgagtgcagc cctcctctca tcctctctgt gctgggtccg aacgcttgct 480  
tacagaccca ccaacaacca agaagctgca ctggttggtg cacactgcag caaacaagga 540  
aaacaagtag ataaaaagtc caacatcaaa aagaaaaaaa aaccatagaa acaattgaag 600  
agagaatggc taaagg 616

<210> 9315  
<211> 4802  
<212> DNA  
<213> Homo sapiens

<400> 9315  
tttaattttc aacgttaata ttttttctat tttatatattgg acatatgcat ctgtaacccc 60  
tcattttgcag caactatcac atcctcataa aaggggcaaa atttgtaaga tgcctcttaa 120  
aataaatatt cttttttata aaataataaa acttcaaata aatattcttt acactaaaca 180  
atatgttgaa aaaattagaa aataaagggtt gaattttact gtaactgtac aatatacatg 240  
aagtccaaag ggaaatcaga gtcttacaat aaaggctttc tgtaaggcaa aatacaatct 300  
aaaaacatac tgattgattc acattcttcc gaatgtacaa catattagta taatattttg 360  
tgtctgtgcc atgtagtatg gcacaacttg tttttcacag ttgcaaatat tattgtatat 420

acaaaaatat	agcacattct	ctctggagaa	aacaatggaa	aaaagtcatc	tgctaattta	480
caagttttgc	aagtactatt	cacaaacaaa	aactttgcct	aggagtgtct	gtgttgcttt	540
agcttatgca	atacatgggt	caccaagttc	tgtatctcat	actttgagct	ccattagctg	600
agttctaaca	agcatatcag	ttaaaacggc	acatggacaa	aaagcatttc	accgcaaaca	660
gcaaagacta	tcccaacttt	ctattaacag	tgccaagatt	ataactgttt	agttgggtgc	720
atatgtgtat	taaaaaaaga	cagaaaaaat	cctcattact	gtaatatcc	tgattaatga	780
tgctatgttg	gtttttcaaa	gttcctaggg	gggacagtgg	gaactttgca	gcaaactgtg	840
tttgagtttt	tacagcggga	accaggcctg	ttaaccgggt	cataacaccc	ctggcacaaat	900
ttaaggcaac	ccttggtctg	aaggtaacac	cataaacaag	gcaaaaagag	ggacatgaca	960
cccatggctg	accatcgtgt	acaacagtga	gactggctgc	aagaacattg	gttgtcagca	1020
cagttgtcct	catcatcatt	agaacagtga	tagaagagac	ctttcacaca	gcatacacaa	1080
gtcccatagt	caatcacgtt	ctggggccgag	caaaggcact	gcttgtcgca	gatccagtct	1140
gatggcagag	gccttgggta	gggtgcactcc	ttacatttgc	acttgccaca	gtcctcacac	1200
ctgtaggcgt	gcaggcccaa	atcttccttg	ctcagtggct	taagctcacc	tggtttgagc	1260
tcagattttg	gttgcacccg	gattatgcca	tcagcaacag	gcccggagga	gaaggatgat	1320
cctagcagtc	tctgttcaga	ggagctgctg	ctggtacttg	tctcgtact	gctccgcgac	1380
cctgagctga	cctgcttata	ggatctggac	agagaggctc	gtgcagaaga	atggacctgc	1440
gagtgtctga	ccctaggagg	ctggcggtgc	tcaggcacag	cgtggagtct	ctcgtgtttg	1500
tgctgagtgg	aggggcgagg	agcaggcttg	agcccaggtc	ttgggacgac	agtaggcccc	1560
tctgtgtact	cattgggtgt	tcggatggct	ctgatctgat	ccagagacaa	gacatgtacc	1620
tgctgggtga	gggctctct	ggggctgggc	tccccacgct	gtctgccacc	gtcacggggc	1680
gtctgcagca	agggtctgca	cccgttgcca	ctctgagctc	tggcctccat	caggtcttgg	1740
aagtgtggtc	actccagcag	gcttagaaca	catctgaact	cctgagggaag	ccaagaggaa	1800
agaacggttg	atactctaga	atacttccca	ctctccaccc	acctgaattg	actcctcact	1860
tcccactttc	cctagataaa	caggatttga	aatggaattg	cagtagggag	gtattagcca	1920
tatgatcaac	aacgcatgta	cccaaaagta	aaaattacgg	cgggctaagt	acaattctgt	1980
aatcctgtga	cgtacaacaa	tacaaaactg	atctttagat	cacttaagta	agaattcctt	2040
attcaaagaa	acatacaatt	tgtaaggttc	aggttcaacg	taaaaatcgc	aaggaagtat	2100
tgctggaata	taacactgct	accaatgttt	tcaaaagttg	aaaatccttt	caaaatttga	2160
aataggtttc	catttgtcat	agtcattttt	gccttaagcg	ttaataatgc	aacctagaag	2220
attctttctt	ggttcttaat	ttttactttt	acatcaaaca	ctttaactgt	gacgtatacg	2280
gcattctgta	actttttcaa	accaggtaga	atgaatatgg	catgcaaaaa	agtaaatacc	2340
caaattctac	aacaattcat	ccatttttta	ttaattgtat	agtagcacia	agttatagaa	2400
ctaaaagcaa	atcaaatcct	attaggtgcc	agaaacacat	taaagcaaac	ttaacaagaa	2460
gaagacatga	atttattttc	aacttctcaa	caacttaaga	attaactatt	ttaactgtg	2520
atagcctaga	acaccacctt	agattctgca	gctaaaaggt	tgttctccct	gtcaatttag	2580
aacacaaacg	aagtgataat	aaccagaaaa	gcgtttttaa	aattcaaattg	tcacatttcg	2640
tatctagcat	tctgtcaagg	aattccttaa	actgcagctc	ttcttcaatt	tcaaaacgat	2700
cacccctttt	cccaagccta	tatgacaata	aaaagtataa	aacaggcaaa	agtggaacct	2760
tatccgatct	ccgctcttta	gaatagaggc	cacagcgaa	aaggcagggtg	acaaacgtct	2820
cccaattcgg	agcaaggcag	tgctggaaac	cggatctcct	cacctccaaa	agaatggcag	2880
aagacaacgc	tgctctttgc	tttcaattag	tttatgcct	ctctgtgccc	caacacccgtc	2940
ccagcaggt	gggacacagc	cgatccccag	gggagtttct	ccaggcgagc	tgacgtgtc	3000
catggggccg	gctgcccccc	tgcttaecat	cccagactc	agacaggcgg	ggggcgcggy	3060
cgctccgaa	gggtacgtgt	cacgaaatgc	aggagcacac	ttcccccgcc	tcctctctcc	3120
cagctaagat	ctcccccaac	tcaagagaac	tgctttccag	ccccaggag	ccactccgcc	3180
ccagggcaga	ggtcacgcgc	cccactgcca	ggctttctgc	aaagccctc	ggacatccgg	3240
cacaggtttc	ccaccccgac	actgcgagca	cgaaagccct	gcctgagaca	cgcagccagg	3300
acgcacaagt	ccaacccacg	cacacacagc	gactccacgc	tgcaactgacc	gaaggggggca	3360
tgctcctgaa	cttcgcacag	cctatctcct	tttgggtcga	gagaaaaaaa	aaagatatca	3420
tatttcttaa	agtgaagaa	aaatggcttt	ttaaaaaag	ggcattttcc	agggctcccac	3480
tgctcactcc	gggcgcgag	gacccagctc	ccggagctgt	aaactttcgg	tgcagatttg	3540
cttgacgtca	aagtagcatc	tttgaataaa	aagggggctt	ttttgttttt	attttttaag	3600
tgatttctgc	cgatccgatc	cctggcctcc	ttcttcaaag	ctggactccc	tacctccgcc	3660
cctcttctct	ttcccagctc	cccctcccct	ttgaaagtgc	tttgaacccc	ccattaagaa	3720
cagtgtgtga	tcagactgag	gattagggga	aaagaacttc	agctctaggg	tggggcaaac	3780
ggacacagaa	actgctttgt	aaaaaacaca	caagaatcca	aattaaaaca	cagcaacaac	3840
aacaacaaaa	ggaaataaaa	aattgcctat	tttgccacct	actttcaggt	aatggaaaaat	3900
gatcgcgacc	gcttgatgac					



<400> 9319

ctcccagagta	gctgggacta	caggcgcccc	ccaccacgcc	tggctaattt	tttgtatttt	60
tagtagagac	ggggtttcac	cgcgttagcc	aggatgggtct	tgatctcctg	acctcgtgat	120
ccgcccgtct	cggcctccca	aagtctctggg	attacaggcg	tgagccaccg	cgcccggtg	180
agatgggtat	tattaagaaa	ttaagatgtg	gattaccagg	gtaagtcata	tttcaatgtg	240
caacctctgc	aagtcacacag	ggtgtgatat	ggacattaag	gagatctatg	gacgaatagc	300
gtatgatacc	ttgacaagtt	gacaaaatgt	aaaatagttg	aatggccata	gaaaaaaacc	360
agcttttttag	ccccataggc	cgagggattc	aggaggggtg	gctacgggca	ttttggaatg	420
gaagatgttg	taccaacaaa	tcaagcttag	gttcctggca	atttgccac	atataatatg	480
tgaaagttca	gatgtgaaat	aaatctgcgg	ctaatagtaa	gaacctagcc	acaggagtta	540
aaacttacgg	ttctgggacc	agatggactg	ccttctaate	ttagtcttac	tacatttttag	600
cggtaaaacc	ttcagcaagt	tatttagcct	ccagcatctc	agttttctca	tctgtaaaat	660
ggtgataatg	ctactcttac	attgggttgt	agtaggataa	aaggagaaaa	cgtatgtaaa	720
ggatttagta	gaaacttatt	aaaattaagc	aattattatt	tctcaattct	aagattctaa	780
cctgcaaaaag	gcataaggca	gctgctgaga	acaggggtgag	aagataggga	ttcggtcagg	840
aaaagtcttg	tttccctggt	gctgttggtg	gttttggttg	ctcatttggtg	tgtttttttt	900
attaatcatt	ttcacttggtg	tttattgaca	agcttaatca	ataatgccat	tgacattttag	960
taaaagtaaa	tttccttaag	tgatctccca	ggtagcaatg	tttattcatt	atgtgtggag	1020
tagagatagg	aattatttta	ttgttgcaaa	tattttatta	ttgggttttc	aagtttttaa	1080
agtaatttta	attttttaat	ttttgtgagt	atatagtaag	tgacatatatt	tatggggtac	1140
atgagatatt	ttgatacagg	catatgatgt	gtaataatca	catcagggtta	aacagggtaa	1200
gcatcacctc	aagcatttgt	ccttttttgt	attacaaaga	atctaattat	actctttttag	1260
ttatttttta	atgtacaata	aattatttgt	gactatagtt	ttgccactgc	aaacaataga	1320
aggcttcctg	atacagcctc	ctagtcattg	gagttctatg	gcagaattcc	taaagttttt	1380
aagtttcatg	agatggctaa	attttggtta	atatgatact	ttctttgaac	agatgctaca	1440
gaggccaata	taaaggagtg	taacagagtg	acacctgtga	tcagtatctc	tccaactaca	1500
aagagtgtcc	cttaaatttc	ttctgtgtgg	ttcctctttt	tttttttttt	tttttttgag	1560
acgaagtctc	gctctgtcgc	ccaggctgga	gtgcagtggc	gcgaacttgg	ctcgctgcaa	1620
gctccgcctc	ccgggtttcac	tccattctcc	tgccctaccc	tctcaagtag	ctgggactac	1680
agggtgcctgc	caccactccc	ggctaatttt	tttttgcat	tttagtgaga	gatgggggtt	1740
cactgtgtta	gccaggatgg	tctccatctc	ctgacctcat	gatccagccg	ccttggcctc	1800
ccaaagtgtc	cggattacag	gcgtgagcca	ccgcgctcgg	cctgtgtggc	tcctcttaag	1860
taatactctg	cttcgtccat	ataagcagag	gtcagaactg	gctaagaatt	tctttatgtg	1920
tgttttatcct	gatgttttcc	tactgtcact	tttcttttct	tatggattag	cattgaggga	1980
atggtcagat	ggtgcctgcg	tgagtctgat	tgaaacattt	tagcggcggg	gtgcgggggt	2040
tgatggcatg	tgcaatagtt	taggatat	gagtttagtg	cagaatgtag	acatgagggt	2100
gagtagagag	tgcgtagcag	agcaagcaat	tcaggaatct	atgttggtta	attacttttg	2160
ttttgtggac	attttattct	acctgaaaag	attatctagg	aactacagaa	attaatgacg	2220
tgtagtggaa	actttgcaca	gtgtaagtgt	tatccattta	cttctcttag	tttccaatac	2280
aatgactctc	ctggtagctg	tcatacatga	taaatataat	ttcgtttaata	aaattatatt	2340
ttatataatt	gcgtacttta	aacaagtgat	caatataact	cagttataaa	tgtacagtaa	2400
caaagatcaa	tggataataa	atacttctgc	gttcattttc	atggatacat	tctatttttg	2460
tttgtctcac	aagcagtaat	cagactatga	atcatgatat	agctccataa	acacttactt	2520
tatagcaatt	cactgatata	tgctccacca	aaaaaaatta	agagacggat	acaagcaatt	2580
taaagcttct	gtgtgtgtgt	gcatgcaacc	gatgtgatg	gctttttttt	tttttttttt	2640
ttttgacaca	gagtgtcgct	ctgtcgccca	ggctggagtg	cagtggcggtg	atctccgctc	2700
actgcaagct	ccgcctgcct	ggttcacgcc	attctcctgc	cttagcctcc	caagtagctg	2760
ggacttcagg	cgcttgacac	cacgcctggc	taattttttg	tatttttagt	agagacgggg	2820
tttcaccgtg	ttatccagga	tggtctccat	ctcctgacct	cgtgatccac	ctgcctccgc	2880
ctcccaaagt	gctgggatta	caggcttgag	cctcctcgcc	cggcc		2925

<210> 9320

<211> 129

<212> DNA

<213> Homo sapiens

<400> 9320

ttttttttga	gatggagtct	cgctctgtcg	cccaggctgg	agtgcagtgg	cgctatctcg	60
gctcactgca	agctccgcct	cctgggttca	cgccattctc	ctgcctcagc	ctcccagagta	120

gctgggact

129

<210> 9321  
<211> 453  
<212> DNA  
<213> Homo sapiens

<400> 9321  
ctagggttcaa aagagagcag agaaacagac actctgaggt agccttttatg gagagtaatt 60  
tggccagatc tcaaaattta acacacacat gcactgacca aataatcaca cttctaggaa 120  
atatccccc tgtacctact gcagggattt tcaatgcagc cctatttatc agaacgacta 180  
gaaacaaccc aaatgcctac tgggaacagc cagttaaaca cgattacaat gatagcctat 240  
gcagtcagca aaaaaagaat gaggtgaccc cataaatatg gtaggaatga cctccaaatt 300  
acactgttaa gagacaaaag cagaagggtta tctaccatct tgtgctttca gctgtgtgat 360  
gcatagaatt catacacaat atgaatgcat atatgtacac acacgtgcac atctgtttct 420  
gcatatgtgt atgggtatat gaggaagcaa gtt 453

<210> 9322  
<211> 131  
<212> DNA  
<213> Homo sapiens

<400> 9322  
tttttttttt gagatggagt ctgcgtctgt tgcccaggct ggagtgcagt ggcgcgatct 60  
cggctcactg caagctccgc ctcccgggtt caccgccattc tctgcctca gcctcccgag 120  
tagctgggac t 131

<210> 9323  
<211> 1090  
<212> DNA  
<213> Homo sapiens

<400> 9323  
gaatgtaatt tttttttttt aattatactt taagttttag agtacatgtg cacaacgtgc 60  
aggtttggtta catatgtata catgtgccat gttggtgtgc tgcaccatt aactcgtcat 120  
ttagcattag gtatatctcc taatgctatc tgtgccccct ccccaaccg cacaacaggc 180  
cccgggtgtgt gatgttcccc ttctgtgtgc catgtgttct cattgttcaa tccccaccta 240  
tgagtgagaa catgtggtgt ttgggttttt gtccttgtga tagtttgctg agaatgatgg 300  
tttccagctt catccatgtc cctacaaagg acatgaactc atcatttttt atggctgcat 360  
agtattccat ggtgtatatg tgccacattt tcttaatcca gtctatcatt gttggacatt 420  
tgggttggtt ctaagtcttt gctattgtga atagtgccac aataaacata cgtgtgcatg 480  
tgtctttata gcagcatgat ttatagtcct ttgggtatat acccagtaat gggatggctg 540  
ggtcaagtgg tttttctagt tctagatccc tgaggaatcg ccacactgac ttccacaatg 600  
gttgaactag tttacagtcc caccaacagt gtaaaagtgt tcccatttct ccatatcctc 660  
tccagcacct gttgtttcct gacttttttag tgattgccat tctaactggg gtgagatggg 720  
atctcattgt ggttttgatt tgcattttct tgatggccag tgatgatgag cattttttca 780  
cgtgtctttt ggctgcataa atgtcttctt ttgagaagtg tctgttcata tcctttgccc 840  
actttttgat ggggttggtt gtttttttct tgtaaatgtt tttgagttca ttttagattg 900  
tggaatttag ctttttgtca gatgagtaga ttgcaaaaat tttctcccat tctgtagggt 960  
gcctgttcac tctgatggta gtttcttttg ctgtgcagaa gctctttaga ttaattagat 1020  
cccatttgtc aattttggct tctgttgccc ttgcttttgg tgtttttagac atgaagtcct 1080  
tgcccgtgcc 1090

<210> 9324  
<211> 453  
<212> DNA  
<213> Homo sapiens

<400> 9324  
ctaggttcaa aagagagcag agaaacagac actctgaggt agccttttatg gagagtaatt 60  
tgccagatc tcaaaattta acacacacat gcactgacca aataatcaca cttctaggaa 120  
atatcccca tgtacctact gcagggattt tcaatgcagc cctatttatc agaacgacta 180  
gaaacaaccc aaatgcctac tgggaacagc cagttaaaca cgattacaat gatagcctat 240  
gcagtcagca aaaaaagaat gaggtgaccc cataaatatg gtaggaatta cctccaaatt 300  
acactgttaa gagacaaaag cagaagggtta tctaccatct tgtgctttca gctgtgtgat 360  
gcatagaatt catacacaat atgaatgcat atatgtacac acacgtgcac atctgtttct 420  
gcatatgtgt atgggtatat gaggaagcaa gtt 453

<210> 9325  
<211> 969  
<212> DNA  
<213> Homo sapiens

<400> 9325  
gccagggcgc acccgtcggc ggtaaaagct gaggggctgg cgcgggggat tgggtgggcga 60  
cacttttacg tctacacgtg cctaccgctc tgcacgtttc tgagtccgca cggttgtctt 120  
ctcttgctga atggacatag gtgttttggt ttgtcccaag agatacaggc aagcagtaca 180  
ggggtgatgg agtgtctcctt gaccttagcg gggctgaccc tggcactccc tgtaggctctc 240  
cccgtgcga agcactgagt ctcttcactg cagtttctct ccagttaccc gccctgtcta 300  
cggcccaaac ggccatgcta gtgaaaacct gccctggccg ctaagcaagc ctagcccagg 360  
ctgtaaccca tgtttctagg gcttggtttc ctctgcagtc aaatcagaga ttcggagttg 420  
aaggggatct tagagggtcaa catgcccac cctcttagccc gagtgagtga atgtacgctt 480  
tttacctgca caccocgaaa atcgcccgtt ttctggaaac aacgttgatt atgtagtctt 540  
ggaactttcc tgcattgcaca ttttattcct tcgacaatat ttattgctac ctactgtgtg 600  
caggcattgt aggcocgggg gatacgatta aaaccaatga agaacgaaac gcacaagatt 660  
gttgatctcg gccgggcgcg gtggctcacg cctgtagtcc cagcactttg ggaggcggag 720  
gtgggtggat tgcttgaggt caggagttcg agaccagcct ggccaacctta gcgaaacccc 780  
acctctacta aaaatacaaaa aattggccgg gcttggtggc gtgcgcctgt agtcccagct 840  
actcgggaag ctgaggcagg aaaatcactt gaacctggga agtggagggt gtagtgagcc 900  
aagattccgc ctgcattcta gcctgggcaa caaatgaga ctctgtctca gaaaaagaaa 960  
aaaaaaaaa 969

<210> 9326  
<211> 265  
<212> DNA  
<213> Homo sapiens

<400> 9326  
cacgtctgta atcccaacac tttgggatgc cgaggtgggc ggatcacgag gtcaggagat 60  
ggagaccatc ctggctaaca cgggtgaaacc tcgtctctac taaaaatata aaaaattagc 120  
tgggtgtggt ggcgggcgcc tgtagtccca gctactcggg aggctgaggc aggagaatcg 180  
cttgaacctg ggacgcggag gttgcagtga gctgagatca ggccactgca ctccagcctg 240  
ggcgacagag ccagactcca tctca 265

<210> 9327  
<211> 921  
<212> DNA  
<213> Homo sapiens

<400> 9327  
gatttctatg cattgtgtaa tattcagtga tgttgagatt ttgcatgttg ttacagggtgc 60  
tctttcatat gtgtgtttgg ggggttgatg tggaattggt aaccactgct gctatcactt 120  
attggagtta aactgaaaaa ctgtgtttaa aggctgtgcc agtcaacatt tctatgtgtg 180  
acttaagtaa ctgtgtactt cattgtttta tattttgagc cagcacttag tggcctctac 240  
agaaggaaat attgtagtgt tcaaagtggg gccaaacttg aaaatcttgt gtcatgttta 300



taattccagg	ccaggtcagc	ttttcttcaa	cactttccga	gctctttgaa	agcaaaaaac	360
atttgcaaaa	agagaaagaa	agcaagaatt	ctgaactttt	ctaatactct	ctcctctaga	420
attttaaata	tttttttctt	ttgatgtttg	agtatcttac	agaaaaatcc	aatcaaatga	480
ctagcggtag	aattttccctt	gatctggata	tttttaggct	gaacagtgtg	atagcagagg	540
actatgaggt	gcatacatta	tttttggttg	ctatcatggc	ttattgtttg	aatttcattt	600
aataacaata	ttcaggctgg	aggtggtgac	tcacacctgc	attcccagca	ctttgggaga	660
ctgaggcggg	cggatcacct	gagatcagga	gttcgaggcc	agcctggcca	acatgacgaa	720
gcccagtcct	tactaaaaat	acaaaaatta	gctgggtgtg	gtggctcaca	cctgtaatcc	780
cagctacttg	ggaggctgag	gcaggagcat	tgcttgagcc	tgggaggtgg	aggttgtagt	840
gatctgagat	cacactactg	cactccagcc	tgggtgaggg	agcaaggctc	caacccccct	900
aaaaagaaaa	aaagaatatt	c				921

<210> 9328  
 <211> 921  
 <212> DNA  
 <213> Homo sapiens

<400> 9328						
gatttctatg	cattgtgtaa	tattcagtga	tgttgagatt	ttgcatgttg	ttacagggtgc	60
tctttcatat	gtgtgtttgt	gggtgtgatg	tgggaattgtt	aaccactgct	gctatcactt	120
attgtagtta	aactgaaaaa	ctgtgttaaa	aggctgtgcc	agtcaacatt	tctatgtgtg	180
acttaagtaa	ctgtgtactt	cattgtttaa	tattttgagc	cagcacttag	tggcctctac	240
agaaggaaat	attgtagttg	tcaaagtggg	gccaaacttg	aaaatcttgt	gtcatgttta	300
taattccagg	ccaggtcagc	ttttcttcaa	cactttccga	gctctttgaa	agcaaaaaac	360
atttgcaaaa	agagaaagaa	agcaagaatt	ctgaactttt	ctaatactct	ctcctctaga	420
attttaaata	tttttttctt	ttgatgtttg	agtatcttac	agaaaaatcc	aatcaaatga	480
ctagcggtag	aattttccctt	gatctggata	tttttaggct	gaacagtgtg	atagcagagg	540
actatgaggt	gcatacatta	tttttggttg	ctatcatggc	ttattgtttg	aatttcattt	600
aataacaata	ttcaggctgg	aggtggtgac	tcacacctgc	attcccagca	ctttgggaga	660
ctgaggcggg	cggatcacct	gagatcagga	gttcgaggcc	agcctggcca	acatgacgaa	720
gcccagtcct	tactaaaaat	acaaaaatta	gctgggtgtg	gtggctcaca	cctgtaatcc	780
cagctacttg	ggaggctgag	gcaggagcat	tgcttgagcc	tgggaggtgg	aggttgtagt	840
gatctgagat	cacactactg	cactccagcc	tgggtgaggg	agcaaggctc	caacccccct	900
aaaaagaaaa	aaagaatatt	c				921

<210> 9329  
 <211> 1548  
 <212> DNA  
 <213> Homo sapiens

<400> 9329						
atttggaacac	attgctgatg	aaattactga	tttaattcta	agactatcaa	aactaattcg	60
tcaagggtccc	caccacctct	ttgcttaaag	gaaaacaaag	gcagatttta	actgtgagcc	120
tcttctctag	aatatgctgt	agacatttgc	ccctccgtga	ggtgataaag	caataaaaaat	180
aaatttaatt	atgtgtgggc	taaagaagtt	ctacctctgt	ccattggcct	ccagagtcac	240
acaaaattat	ttcttgattc	ctacatcaga	ggttttcagg	cagagccttt	gtaccaagaa	300
ttccttttat	attttggaca	ccaaagatta	tggcatgata	tatcctgatg	attaacaatt	360
tagcagtggg	cacattttat	tgagtctctg	tcttggattt	atttcccacc	tttgggtctt	420
acgtacattt	tgtattttctg	tcctgaggac	tttttgccct	aggcagtttt	taaatcaaaa	480
aaatatatat	atattttatta	ggtttcta	ttatagagtt	tccaatttct	cccacaattt	540
taaatgtttt	cactgccaaa	gtttagcagta	gatttgctag	gttaatgcc	tggtcagtaa	600
tagtttgtac	cttttatgtt	gtagcctgaa	aatgtaacte	taaccccgta	ggcctgaaac	660
ctgggtgggaa	gatgattgaa	agtgttttag	attcaacaga	ttgactatgt	atgacttata	720
tattaaaatg	aagaacttcc	atggtttaat	agaatgaatg	ctgtattcaa	caaggctctt	780
catccttctt	ataaatctta	agactgtgtt	taagctttct	ttcactttta	ctctatccct	840
tgggaagttaa	ttgggaataa	aaagatttat	caatttagtc	actataattt	aaggccaggc	900
atctgcttgg	aaatacaata	accacaatta	atacttacag	aaaattgttt	caacagatta	960
actctgctat	tttaaaaact	atagtagtgt	tctttgagga	tgcatttact	tttccccaaa	1020
tttgatagat	agttattttt	atatattttt	tctggccact	tggcttctaa	ctgattaaca	1080

tgaaaaacgc	acgtgtgcct	gtttcactca	aatcatat	ttt	tacaactttt	taaaagctgc	1140
tacagttata	gtttgtgaaa	gaggagaaag	gtgaattgca	acagagggaa	attactgtta		1200
ctgtgtcaaa	tatgtgactg	atgcttttgg	tcagataatc	tgctgcctgt	caatatttgt		1260
aataacagaa	ttttttgtta	agagtactct	catctttatt	ttgtgctca	ctgatttttt		1320
acactaagat	gttctcatct	ttgtcgactc	actgtttttg	cttcatat	gtctgtgtac		1380
ttgtgctcta	aataaaaaatc	tagttttatg	tctagtttat	tccattgtgt	gtataatggt		1440
tgctctgat	gtagtgtaat	tttctattgt	ttttgatgtt	tggttggtaca	gcctaaaact		1500
tatggaaata	agaaaagcaa	tccaataaag	tcagctaata	agtgtcaa			1548

<210> 9330  
 <211> 1548  
 <212> DNA  
 <213> Homo sapiens

<400> 9330							
atttggacac	attgctgatg	aaattactga	tttaattcta	agactatcaa	aactaattcg	60	
tcaagggtccc	caccacctct	ttgcttaaag	gaaaacaaag	gcagatttta	actgtgagcc	120	
tcttctctag	aatatgctgt	agacatttgc	ccctccgtga	ggtgataaag	caataaaaaat	180	
aaatttaata	atgtgtggtc	taaagaagtt	ctacctctgt	ccattggcct	ccagagtcac	240	
acaaaattat	ttcttgattc	ctacatcaga	ggttttcagg	cagagccttt	gtaccaagaa	300	
ttctttttat	attttggaca	ccaaagatta	tggcatgata	tatcctgatg	attaacaatt	360	
tagcagtggg	cacatttatt	tgagtcctgc	tcttggattt	atttcccacc	tttgggtcct	420	
acgtacattt	tgtatttctg	tcctgaggac	tttttgctc	aggcagtttt	taaatcaaaa	480	
aaatatatat	atatttatta	ggtttcta	ttatagagtt	tccaatttct	cccacaattt	540	
taaatgtttt	cactgccaaa	gttagcagta	gatttgctag	gttaatgcca	tggtcagtaa	600	
tagtttgtac	cttttatgtt	gtagcctgaa	aatgtaactc	taaccccgta	ggcctgaaac	660	
ctgggtgggaa	gatgattgaa	agtgttttag	attcaacaga	ttgactatgt	atgacttatc	720	
tattaaaatg	aagaacttcc	atggttta	agaatgaatg	ctgtattcaa	caaggtcttc	780	
catccttctt	ataaatctta	agactgtgtt	taagctttct	ttcactttta	ctctatccct	840	
tgggaagttaa	ttgggaataa	aaagatttat	caatttagtc	actataattt	aaggccaggc	900	
atctgcttgg	aaatacaata	accacaatta	atacttagag	aaaattgttt	caacagatta	960	
actctgctat	tttaaaaact	atagtagtgt	tctttgagga	tgcatttact	tttccccaaa	1020	
tttgatagat	agttattttt	atatattttt	tctggccact	tggttcttaa	ctgattaaca	1080	
tgaaaaacgc	acgtgtgcct	gtttcactca	aatcatat	ttt	tacaactttt	taaaagctgc	1140
tacagttata	gtttgtgaaa	gaggagaaag	gtgaattgca	acagagggaa	attactgtta		1200
ctgtgtcaaa	tatgtgactg	atgcttttgg	tcagataatc	tgctgcctgt	caatatttgt		1260
aataacagaa	ttttttgtta	agagtactct	catctttatt	ttgtgctca	ctgatttttt		1320
acactaagat	gttctcatct	ttgtcgactc	actgtttttg	cttcatat	gtctgtgtac		1380
ttgtgctcta	aataaaaaatc	tagttttatg	tctagtttat	tccattgtgt	gtataatggt		1440
tgctctgat	gtagtgtaat	tttctattgt	ttttgatgtt	tggttggtaca	gcctaaaact		1500
tatggaaata	agaaaagcaa	tccaataaag	tcagctaata	agtgtcaa			1548

<210> 9331  
 <211> 1672  
 <212> DNA  
 <213> Homo sapiens

<400> 9331							
ataattttatg	atttgattct	ttcctttgtc	cagccttta	catacatgtt	tctgtaattt	60	
aaataaaaaat	ttatgtactt	tttccatttt	agcaaatagt	ttctttaccg	aaacaggttg	120	
caccatagtc	cccataatgt	tttctactgt	tccacaacca	ctatttcaca	aagattgaca	180	
aaacttgtat	caaagttaaa	tttatagaca	tcttaaggta	tcttaggaaa	tatgtagtaa	240	
aaaagaatca	agtcacaaa	ttatgaatat	tttgctaata	caccaaacac	caatttcagc	300	
aatccaatc	tacttaactt	gtatgtttta	tgtgtgaatt	tttctaacaa	aatttaattg	360	
gggtatgaat	gatataattt	cacccttgac	aaagatgaca	tgtgtgattt	tgtgtgacg	420	
aagaaaggag	agtatgattt	ctgggtgatta	ttatattact	ctggctcatc	aaagctcaca	480	
gaatatgtaa	ggttctgcca	catccaaagg	tgttaggcaa	acataataga	aggcacacta	540	
ggctgacaca	cgttttcatc	atacaaatct	tccggtagtt	cctcttcac	tccatcagga	600	
aaatacgtag	ggaatggtag	attttttaccg	agatccttat	atgcaggcag	tttagaatct	660	

ctgaccctta	ctaagcaatt	tttatgtcca	ggtacagagc	catttacata	gattatgttg	720
tgctttgtgt	ttattctcca	cactttcagt	ccatatactg	ttctatatat	gtttccatt	780
tttccaggca	ttttagttcc	aggccagact	ctgccaatgt	caccagttga	aatatctcca	840
ggtctcctgt	gggttttctg	ttgaccatgt	gtagcaggct	ggcctttaaa	tccccatctt	900
ttcatgacac	cttgaaaacc	tttaccata	gttttggtg	tgacatccac	atactgtcct	960
ggacaaaagt	gagcagcata	aagaggagt	cctgggttaa	ttgcagcatt	atctgttaca	1020
ttaaagatta	taactgtctg	ttttgacggc	aatccaagtt	ctcggtaaaa	ttccaatata	1080
ggtgtagctt	tatgaaaacg	tgatacagtt	tgccctcctac	agacagggct	gccgtttttc	1140
cattacggct	ttcctttgaa	gtatatattta	ggacatgaca	gtcttgtacc	tgaagtaatg	1200
tgaccacgtg	cttttgacca	tccttggtcc	ataaaggcat	catgcccagc	ttcaaggcca	1260
actctaaagg	aacctgggtc	ccaaggatgc	ataggccatg	gttcatcttt	cagaggacac	1320
agtttacttg	ctaattgggt	tttatcttca	tcagagacca	actgcttaat	gaatgggaca	1380
ttttcttcag	aaagatgctc	atccccaccac	gtaccactct	ttccatgaag	acttctaaca	1440
aaaagccaga	tgtgtgttct	gttccccggg	cccagggcag	cacccaggcc	atccccgact	1500
tgaccagca	cctgggcgcc	gacctgcac	agcagcctcc	aacccgggat	ggattagccc	1560
gggaagactc	aactcatgac	ttccgggtgc	ccagctgctc	tgctttcagg	gcgtccccac	1620
gccaccacca	cgcggacgca	gcagccatgg	ggaagtcgct	gcaatggccg	cc	1672

<210> 9332  
 <211> 1672  
 <212> DNA  
 <213> Homo sapiens

<400> 9332						
ataatattatg	atttgattct	ttcctttgtc	cagcctttta	catacatggt	tctgtaattt	60
aaataaaaaat	ttatgtactt	tttccatttt	agcaaatagt	ttctttaccg	aaacagggtg	120
caccatagtc	cccatatggt	tttctactgt	tccacaacca	ctatttcaca	aagattgaca	180
aaacttgat	caaagttaaa	tttatagaca	tcttaaggta	tcttaggaaa	tatgtagtaa	240
aaaagaatca	agtcacacaa	ttatgaatat	tttgctaata	caccaaacc	caatttcagc	300
aatccaatc	tacttaactt	gtatgtttta	tgtggtaatt	tttctaacaa	aatttaatgg	360
gggtatgaat	gatataattt	cacccttgac	aaagatgaca	tgtgtgattt	tggtgtgacg	420
aagaaaggag	agtatgattt	ctgggtgatta	ttatattact	ctggctcatc	aaagctcaca	480
gaatatgtaa	ggttctgcc	catccaaagg	tgtaggcaa	acataataga	aggcacacta	540
ggctgacaca	cgttttcatc	atacaaatct	tccggtagtt	cctcttcatc	tccatcagga	600
aaatacgtag	ggaatggtag	atttttaccg	agatccttat	atgcaggcag	tttagaatct	660
ctgaccctta	ctaagcaatt	tttatgtcca	ggtacagagc	catttacata	gattatgttg	720
tgctttgtgt	ttattctcca	cactttcagt	ccatatactg	ttctatatat	gtttccatt	780
tttccaggca	ttttagttcc	aggccagact	ctgccaatgt	caccagttga	aatatctcca	840
ggtctcctgt	gggttttctg	ttgaccatgt	gtagcaggct	ggcctttaaa	tccccatctt	900
ttcatgacac	cttgaaaacc	tttaccata	gttttggtg	tgacatccac	atactgtcct	960
ggacaaaagt	gagcagcata	aagaggagt	cctgggttaa	ttgcagcatt	atctgttaca	1020
ttaaagatta	taactgtctg	ttttgacggc	aatccaagtt	ctcggtaaaa	ttccaatata	1080
ggtgtagctt	tatgaaaacg	tgatacagtt	tgccctcctac	agacagggct	gccgtttttc	1140
cattacggct	ttcctttgaa	gtatatattta	ggacatgaca	gtcttgtacc	tgaagtaatg	1200
tgaccacgtg	cttttgacca	tccttggtcc	ataaaggcat	catgcccagc	ttcaaggcca	1260
actctaaagg	aacctgggtc	ccaaggatgc	ataggccatg	gttcatcttt	cagaggacac	1320
agtttacttg	ctaattgggt	tttatcttca	tcagagacca	actgcttaat	gaatgggaca	1380
ttttcttcag	aaagatgctc	atccccaccac	gtaccactct	ttccatgaag	acttctaaca	1440
aaaagccaga	tgtgtgttct	gttccccggg	cccagggcag	cacccaggcc	atccccgact	1500
tgaccagca	cctgggcgcc	gacctgcac	agcagcctcc	aacccgggat	ggattagccc	1560
gggaagactc	aactcatgac	ttccgggtgc	ccagctgctc	tgctttcagg	gcgtccccac	1620
gccaccacca	cgcggacgca	gcagccatgg	ggaagtcgct	gcaatggccg	cc	1672

<210> 9333  
 <211> 583  
 <212> DNA  
 <213> Homo sapiens

<400> 9333

aataaaaaact	taaaaaaaag	tggctacctt	tggattttaa	gtgaaaaatg	tgatacgacc	60
aggtagtat	atcacatgga	gatctaacac	tatgactaac	aaacctattg	ggtgatgtga	120
attaacaatc	tggttcagag	gaaatcaagt	atttaagctg	aggtctgctt	atacacatgg	180
ttaaaccttat	ttgtcatgaa	cctgccatta	gtaaatacat	gttaatttca	tgcaatttaa	240
aagaaaccca	gaaaccatta	gcatttttgat	taatacatga	ttaataaaaag	tttgttgaac	300
atacaatctt	aaatcattat	aaattctttt	tgaaaggtag	gctgggtgca	gtggctcaca	360
cctgtaatcc	taacactttg	ggaggccacg	gagggtaaaa	agattgaact	cagaagttca	420
aggccagcct	gggcaacata	gtaggcagcc	atttttacaa	aaaatacaaa	taatagccag	480
gcatggtggg	gggcacctat	agtcccagat	acatgggagg	ctgagggtga	aggatcactt	540
gagctgcaga	ggtcttggct	ccagtgagcc	aagattgcac	cac		583

agaaaaaac	aaacaacccc	atcaaaaagt	gggcaaagga	tatgaacaga	cacttctcaa	180
aagaagacat	ttatgcagcc	aaaaaaacac	atgaaaaaat	gtcattatc	actggccatc	240
agagcaatgc	aaatcaaaac	cacaatgaga	taccatctca	caccagttag	aatggtgatc	300
ataaaaagt	caggaaacaa	caggtgctgg	agaggatgtg	gagaaatagg	aacactttta	360
cactgttggg	gggactgtaa	actagtctca	ccattgtgga	agttggtgtg	gcgattcctc	420
agggatctag	aactagaaat	accatttgac	ccagccatcc	cattactggg	tatataccca	480
aaggattata	aatcatgctg	ctataaagac	acatgcacac	gtatgtttat	cgcggtacta	540
ttcacaatag	caaaaacttg	gaaccaaccc	aaatgtccaa	caacgataga	ctggattaag	600
aaaatgtggc	acataataac	catggaatac	tatgcagcca	taaaaaatga	tgagttcatg	660
tcctttgtg	ggacatggat	gaagctggaa	accatcatgc	tcagcaaact	atcgcaagga	720
cagaaaacca	aacatcgcg	gttctcactc	ataggtggga	attgaacaat	gagaacacat	780
ggacacagga	aggggaacat	cacacactgg	gggggtgggg	gaggggggag	gaggggggag	840
ggatagcatt	aggagatata	cctaattgcta	aatgacgagt	taatgggtgc	agcgaccaa	900
catagcacat	gtatacatat	gtaacaaacc	tgacattgtg	gcacgtgtac	cctaaaactt	960
aaagtataat	aataataatt					980

<210> 9337  
 <211> 3489  
 <212> DNA  
 <213> Homo sapiens

<400> 9337						
ggcaggtaaa	agcagctgtt	aagtatgccc	ttagcgtagg	ctaccgccac	attgattgtg	60
ctgctatcta	cggcaatgag	cctgagattg	gggaggccct	gaaggaggac	gtgggaccag	120
gcaaggtaag	gactgggggt	gtaaatagag	gtgggataag	agaacttaga	agctgaagct	180
agggctgggg	cccagctgga	gggaatctgg	catcagcttc	cttccagttc	ctctcccaga	240
gttgaggggtg	ggtgagacca	cgtgctcatg	gctcttctca	ctgtggggcc	tgccccctgc	300
actaggcggt	gcctcgggag	gagctgtttg	tgacatccaa	gctgtggaac	accaagcacc	360
accccagga	tgtggagcct	gccctcggga	agactctggc	tgacctccag	ctggagtatc	420
tggacctgta	cctgatgcac	tggccttatg	cctttgagtg	agccttgcca	gagcctcatc	480
tggggaatca	gggggttgag	caggatggtg	ttagtaactt	attgtaagtc	acagcagcag	540
agcaggatag	gaacactcat	ttgcatgcc	agctgaggag	cttgacatgg	gatcttagcc	600
tcttctgcta	cagcagctta	gctgtagcta	caggagttaa	actctggaaa	aaggaaggca	660
gtctcacatg	gtgtgtaccc	cagggtatgc	acctgtaacc	ctcctgctcc	ctttattcat	720
ttagaaaagg	tgctgacttt	tctgttgagc	acctgggggt	acagtaataa	gtaagtctca	780
gcagaagatg	tgagaagagc	tcaccattag	tgccgtgccc	tgtgctggaa	gaagggtgga	840
taactccctg	aggatgagtt	aagggaagact	tcctaggggg	gaggagatat	ctacgtctag	900
gaagaggagg	gggcataggc	attccatgta	aacttaacac	ctgggttacg	atctggaagg	960
atgaaaaagc	atggcttttt	ttggccaggc	gcggtggctc	acgcctgtaa	tcccagcact	1020
ttgggagggt	aaggcgggcg	gatcacgagg	tcaggagatc	gagatcatcc	tggctaacac	1080
ggtgaaaccc	cgtctctact	aaaaatacaa	aaaattagct	gcgcgtgggtg	gtgagcgctt	1140
gtagtcccag	ctactgggga	ggctgaggca	ggagaatggc	gtgaaccag	gaggtggagc	1200
ttgcagttag	ctgagatagt	gccactgcac	tccagcctgg	gcggtaaaagc	gagactccat	1260
ctcaaaaaaa	aaaaaaaaaga	aaaagcatgg	ctttttaaaa	attcttggcc	ctttgtcctc	1320
tctgggattg	gagtttgagg	catagagtgg	ctggatgggc	aggtagggtg	gaagcctggc	1380
atctgtgtcc	acacttggtg	gggctgtctc	tcactcaggc	ggggagacaa	ccccttcccc	1440
aagaatgctg	atgggactat	atgctacgac	tccaccactc	acaaggagac	ttggaaggct	1500
ctggaggcac	tgggtggctaa	ggggctggtg	caggcgctgg	gcctgtccaa	cttcaacagt	1560
cggcagattg	atgacatact	cagtgtggcc	tccgtgcgtc	cagctgtctt	gcaggtaagg	1620
acagcaagca	gatgagtggg	ttaggggttg	tctgtcaag	agcatgaggg	agcagacgat	1680
ggatctgctt	aaggagagata	gctagcaagt	tgtcagagtg	ttggtgcaga	agtcctctgc	1740
ataaagggtg	gcattgaagc	agtgggagag	aatgaaattg	ccgatgggaa	atggtgagaa	1800
aagcaggctg	aaggggagtg	gaggagttag	caataggggg	tgggtccagac	atgcatgtct	1860
gggatggggc	aagcaagctg	ggtgtcacca	cttcatgggtg	atgggttatt	ctttgggtca	1920
ggtggaatgc	caccatactg	tgagctaaat	tgagctaaat	gcccactgcc	aagcacgtgg	1980
cctggaggta	actgcttata	gccctttggg	ctcctctgat	cgtgcatggc	gtgatcctga	2040
tgagcctgtc	ctgctggagg	aaccagtagt	cctggcattg	gctgaaaagt	atggccgata	2100
tccagctcag	atcttgtctc	ggtatggggc	agtcttaggg	agagggccct	gggttgggag	2160
gcaagggtta	agggatttct	tatttcagtg	tctgggtgag	gctgaggatc	ttgccttgtg	2220
atctggaggg	aggccactgt	aggcatatct	cccatttcag	cagggtctag	gtgctccagg	2280

agcttaggga	agctgcatgg	ggaacaaaaat	agtgccttatg	aatactgacc	ccttttccctc	2340
atctgtctaa	tcccccaact	taggtggcag	gtccagcgga	aagtgatctg	catccccaaa	2400
agtatcactc	cttctcgaat	cttctcagaac	atcaaggtag	ttggtaatgg	gttctatctt	2460
cttttagctct	ttgggacatt	ttcttggccc	tgactctacc	tggctaataaa	ggcagtggtg	2520
tggaaaccca	gcttctgctc	acaaagctgg	ctttcttgaa	ccccactctc	catcctcagg	2580
tgtttgactt	caccttttagc	ccagaagaga	tgaagcagct	aaatgccctg	aacaaaaatt	2640
ggagatatat	tgtgcctatg	cttacgggtga	ggatgtatca	gcctcctaga	cttgggggaat	2700
gtgagatttg	gggtgggatt	ctggcccagg	tgtgacctaa	ggcttgctgg	ttgtgagaag	2760
gacacaatgt	tgtgggtggg	attgctatgc	tggacatagt	gccctcattt	ctctttattg	2820
agctcaggga	agtagtatgg	ctcagggata	aggcatataa	cctgtgagtc	ccagtcctgc	2880
ttcttgatat	cttgtaacct	agagcaagtt	attaaacttc	tccaagcctc	agcttcctat	2940
gtgtaaaaatg	agcccagttc	ctgacatgta	gtagattctc	agtaaatgat	atgaggagag	3000
cccagaaggc	gttggttgacc	tcactcgagg	gattgggggtt	gggagggaag	tcggctgtac	3060
ttagggaaat	aaatgggttcc	tggcctcttg	atctcagttc	agactgcaaa	ctcttagggg	3120
caggggtagc	tacatatcag	gctatgggtt	tgggtgctaga	atgggtgttga	tactgtgggtg	3180
ttctctgagg	atggggatcc	cagccaatgc	catctggcat	agtgcctgtac	acaggtgagt	3240
ttgttttagga	agatttgggg	aagatgcctg	gagtcctttg	aatggcaact	cctgctgatg	3300
gagtaatcta	tctgtctctc	tttccagggtg	gatgggaaga	gagtcaccaag	ggatgcaggg	3360
catcctctgt	accccttttaa	tgaccctgtac	tgagaccaca	gcttcttggc	ctcccttcca	3420
gctctgcagc	taatgaggtc	ctgccacaac	ggaaagaggg	agttaataaa	gccattggag	3480
catccatat						3489

<210> 9338  
 <211> 3489  
 <212> DNA  
 <213> Homo sapiens

<400> 9338						
ggcaggtaaa	agcagctggt	aagtatgcc	ttagcgtagg	ctaccgccac	attgattgtg	60
ctgctatcta	cggcaatgag	cctgagattg	gggaggccct	gaaggaggac	gtgggaccag	120
gcaaggtaag	gactgggggt	gtaaatagag	gtgggataag	agaacttaga	agctgaagct	180
agggctgggg	cccagctgga	gggaatctgg	catcagcttc	cttccagttc	ctctcccaga	240
gttgaggggtg	ggtgagacca	cgtgctcatg	gctcttctca	ctgtggggccc	tgccccctgc	300
actaggcggt	gcctcgggag	gagctgtttg	tgacatccaa	gctgtggaac	accaagcacc	360
accccgagga	tgtggagcct	gccctccgga	agactctggc	tgacctccag	ctggagtatc	420
tggacctgta	cctgatgcac	tggccttatg	cctttgagtg	agccttgcca	gagcctcatc	480
tgggggaatca	gggggttgag	caggatgggt	ttagtaactt	attgtaagtc	acagcagcag	540
agcaggatag	gaacactcat	ttgcatgcca	agctgaggag	cttgacatgg	gatcttagcc	600
tcttctgcta	cagcagctta	gctgtagcta	caggagttaa	actctggaaa	aaggaaggca	660
gtctcacatg	gtgtgtaccc	cagggtatgc	acctgtaacc	ctcctgctcc	ctttattcat	720
ttagaaaagg	tgtgtacttt	tctgttgagc	acctgggggt	acagtaataa	gtaagtctca	780
gcagaagatg	tgagaagagc	tcaccattag	tgccgtgccc	tgtgctggaa	gaagggtgga	840
taactccctg	aggatgagtt	aaggaagact	tcctagggga	gaggagatat	ctacgtctag	900
gaagaggagg	gggcataggc	attccatgta	aacttaacac	ctgggttacg	atctggaagg	960
atgaaaaagc	atggcttttt	ttggccaggc	gcggtggctc	acgcctgtaa	tcccagcact	1020
ttgggaggct	aaggcgggag	gatcacgagg	tcaggagatc	gagatcatcc	tggctaacac	1080
ggtgaaaccc	cgtctctact	aaaaatacaa	aaaattagct	gcgcgtgggtg	gtgagcgcct	1140
gtagtcccag	ctactgggga	ggctgaggca	ggagaatggc	gtgaaccag	gaggtggagc	1200
ttgcagttag	ctgagatagt	gccactgcac	tccagcctgg	gcggtaaagc	gagactccat	1260
ctcaaaaaaa	aaaaaaaaaga	aaaagcatgg	cttttttaaaa	attcttggcc	ctttgtcctc	1320
tctgggattg	gagtttggga	catagagtgg	ctggatgggc	aggtagggta	gaagcctggc	1380
atttgtgtcc	acacttgggtg	gggctgtctc	tcactcaggc	ggggagacaa	ccccttcccc	1440
aagaatgctg	atgggactat	atgctacgac	tccacccact	acaaggagac	ttggaaggct	1500
ctggaggcac	tgggtggctaa	ggggctgggt	caggcgctgg	gcctgtccaa	cttcaacagt	1560
cggcagattg	atgacatact	cagtgtggcc	tccgtgcgtc	cagctgtctt	gcaggtaagg	1620
acagcaagca	gatgagtggg	ttaggggttg	tctgctcaag	agcatgaggg	agcagacgat	1680
ggatctgctt	aagggagata	gctagcaagt	tgtcagagtg	ttgggtgcaga	agtcctctgc	1740
ataaagggtg	gcattgaagc	agtgggagag	aatgaaattg	ccgatgggaa	atgggtgagaa	1800
aagcaggctg	aaggggagtg	gaggagttag	caataggggg	tgggtccagac	atgcatgtct	1860
gggatggggc	aagcaagctg	ggtgtcacca	cttcatgggtg	atgggttatt	ctttgggtca	1920

ggtggaatgc	cacccatact	tggctcaaaa	tgagctaatt	gcccactgcc	aagcacgtgg	1980
cctggaggta	actgcttata	gccctttggg	ctcctctgat	cgtgcatggc	gtgacccctga	2040
tgagcctgtc	ctgctggagg	aaccagtagt	cctggcattg	gctgaaaagt	atggccgac	2100
tccagctcag	atcttgctca	ggtatggggc	agtcttaggg	agagggccct	gggttgggag	2160
gcaaggggta	agggatttct	tatttcagtg	tctgggtgag	gctgaggatc	ttgccttgtg	2220
atctggaggg	agggcactgt	aggcatattt	cccatttcag	cagggctcag	gtgctccagg	2280
agcttaggga	agctgcatgg	ggaacaaaat	agtgttatg	aatactgacc	ccttttcttc	2340
atctgtctaa	tcccccaact	taggtggcag	gtccagcgga	aagtgatctg	catcccaaaa	2400
agtatcactc	cttctcgaat	ccttcagaac	atcaagggtac	ttggtaattg	gttctatctt	2460
ctttagctct	ttgggacatt	ttcttggccc	tgactctacc	tggtataaaa	ggcagtgttg	2520
tggaacccca	gcttctgctc	acaaagctgg	ctttcttgaa	ccccactctc	catcctcagg	2580
tgtttgactt	caccttttagc	ccagaagaga	tgaagcagct	aaatgccctg	aacaaaaatt	2640
ggagatatat	tgtgcctatg	cttacgggtga	ggatgtatca	gcctcctaga	cttgggggaat	2700
gtgagatttg	gggtgggatt	ctggcccagg	tgtgacctaa	ggcttgctgg	ttgtgagaag	2760
gacacaatgt	tgtgggtggg	attgctatgc	tgacatagt	gccctcattt	ctctttattg	2820
agctcagggg	agtagtatgg	ctcagggata	aggcatataa	cctgtgagtc	ccagtcctgc	2880
ttcttgatat	cttgtaacct	agagcaagtt	attaaacttc	tccaagcctc	agcttcctat	2940
gtgtaaaatg	agcccagttc	ctgacatgta	gtagattctc	agtaaatgat	atgaggagag	3000
cccagaaggc	gttgttgacc	tcactcgagg	gattgggggt	gggagggaag	tcggctgtac	3060
ttagggaaat	aaatgggtcc	tggcctcttg	atctcagttc	agactgcaaa	ctcttagggg	3120
caggggtagc	tacatatcag	gctatgggtt	tgggtgctaga	atgggtgttg	tactgtgggtg	3180
ttctctgagg	atggggatcc	cagccaatgc	catctggcat	agtgtgtgac	acaggtgagt	3240
ttgttttagga	agattttggg	aagatgcctg	gagtcttttg	aatggcaact	cctgtctgatg	3300
gagtaatcta	tctgtctctc	tttccaggtg	gatgggaaga	gagtccaag	ggatgcaggg	3360
catcctctgt	acccttttaa	tgaccctgtc	tgagaccaca	gcttcttggc	ctcccttcca	3420
gctctgcagc	taatgaggtc	ctgccacaac	ggaaagaggg	agttaataaa	gccattggag	3480
catccatat						3489

<210> 9339  
 <211> 123  
 <212> DNA  
 <213> Homo sapiens

<400> 9339						
ttgttgccga	ggctgaagtg	cagtggcaca	atctcagctc	actgcaacct	ctgcctcctg	60
ggttcaagtg	attctcctgc	ctcagcctcc	tgagtagctg	ggattacagg	cacctgccac	120
cac						123

<210> 9340  
 <211> 134  
 <212> DNA  
 <213> Homo sapiens

<400> 9340						
gatggagtct	tgtctgtgca	cccaggctgg	agtgcagtg	cgccatctcg	gctcactgca	60
acctccgcct	ccttggttca	agcgattctc	ctgcctcagc	ctcctgagta	gctgggatta	120
caagtccccg	ccat					134

<210> 9341  
 <211> 134  
 <212> DNA  
 <213> Homo sapiens

<400> 9341						
gatggagtct	cgctctgtca	cccaggctgg	agtgcagtg	cgccatctcg	gctcactgca	60
acctccgcct	ccttggttca	agcgattctc	ctgcctcagc	ctcctgagta	gctgggatta	120
caagtccccg	ccat					134

[illegible]

```
<210> 9343
<211> 8737
<212> DNA
<213> Homo sapiens
```

6910



ccctgaacg	acggaatgaa	caagtcaata	aatgaataaa	ggctggcaac	cagccaggca	2640
gccatgccat	tctccatcca	ggctctggag	caacagaaag	tgaccactct	ttactaacag	2700
gttgcccgcc	caggctggag	ctagcaaggt	ggccttggcg	gtgttactgc	caagcccccg	2760
catcaaggca	ccacactcag	aggcaggcgg	gggctgcctg	gagaaggcca	cggattggcc	2820
ggaccctacc	ctacgaccca	ggacacctgg	aggaagggaa	gcagaggcca	gtggccgctg	2880
gagacagcag	tcagagggcg	ccaagcagag	gccgcctgct	ggtgagcggg	acccccacca	2940
gactgctcca	ctcacagcgc	gggggtcccc	tgtggctggc	acaaaggccc	ctctacttga	3000
ctgccagggc	ctgggggtcc	ccctgggttc	atctttgctc	acacgctcct	cacacagtgc	3060
aagtaatggg	ctgagtgtgc	aaaatgagca	atggaagtag	tttaaggacc	tcaagtgaag	3120
ccccagaat	ccctgcctgg	gctgtgccat	ccacctccag	gctggctgca	gccgaggagc	3180
caggcagag	gtcggaaactg	catctctgtg	atacctgggt	tgtgaagaaa	gatgctgagg	3240
gtcaaagctg	accccagcag	agaggactgt	ctcaggaggg	aaggaggggt	gggagggaac	3300
ccatcaggga	gcccgtcact	ggacaggctc	acacacagct	gctctcactc	gaatcccagc	3360
atcgcagcgc	aaacaggccc	gaggaggcgt	ccaccagtc	tccaagcacg	agggtcctct	3420
ctagccagac	aagccctgaa	atcagagccg	tggggcccca	caagagtcag	ctcagaggga	3480
ggtaaaagaa	atcacagggg	ctgggcacga	cggctcacgc	ctgtaatccc	aacactttga	3540
gaggctgagg	cgggcagatc	acgaggtcag	gagttcaaga	ccagcctggc	caacatgggtg	3600
aaaccctact	tctactgaaa	atacaaaaat	cagctggggc	tggtggcggg	cgctgtaat	3660
ctcagctact	cgggaggctg	aggcaggaga	atcgcttgaa	actggaaggc	agaggttgca	3720
ctgagccgag	atcacctcgc	tgcatcttag	ctctggcgag	agagcgagac	cccatctcag	3780
aaagaacgca	agaaagaaa	caagaaagca	aaaaagcaag	caagcaagaa	agcaggaaa	3840
caagcaagaa	agcaagcaag	cgagcaagta	agcaagaaac	gaaggaagaa	agcaagaaag	3900
aaatcacacc	tagggcccca	tccctggccc	tggccctgga	gctcaccctt	cagggccacg	3960
cgggttcggc	ggatggccat	gatggcattg	cgaatgtcct	cttcacacgc	attggaactc	4020
acgtgcacct	cttcaaagtc	caactggtaca	catgcgtgcc	tgaggcacgg	cagggtcagg	4080
gaggctggcc	cagaccccc	cgcacctcct	ccaggaagcc	tgcccagggt	acctctctcc	4140
tgttgctacc	tgccctgacc	tggctctgac	tgagaaggga	ctggggccac	cttcactgac	4200
tgatggggac	acgcttgaac	tccacaatgc	acactgtggc	aggactgggtg	ccaccttccc	4260
cgagcccagg	ccagtcctgg	gggattcacag	gccatgggac	gcaaggcctg	ggcttaacagg	4320
tcgtcttgcc	atggcctcac	cgagtgtctt	tgggcgcaat	gccccctctg	gcacaaagtc	4380
ctcagggccc	cctggctgag	gacaaggcgg	ggaccagga	gctccatacc	tgaagacgga	4440
cttgacatgc	agcatgagct	ctggcccgat	gccatcccct	gggatcatgg	tcaccgtgtg	4500
ccgcccgcga	tacttagcgg	acggaggctg	tgggaggcag	aggggtgaagg	tgggccttcg	4560
gggatcccac	atgccccag	ctcggcccc	atgggctcaa	gccaatcccc	ttcttcccac	4620
tggcgctgac	cccacaggct	gccccgtcac	aagggtgcaa	cttggggcag	ccccgtccca	4680
gacagggctg	ctcatccagg	gctcctgggt	cagcagcagc	ccacccccac	ctggaattta	4740
gttaacccca	aagcaactaa	gagccccca	aacctaacag	gcagagaaga	atactcacia	4800
ttgtttgttc	ctagaaagga	tgagaaagga	agaagacaca	atcagccaag	gttccaagag	4860
caaggccgtg	accaggaaa	tgggaccttt	tcccaggggg	atgctggcta	gtacaactcc	4920
cagaagaggg	gtgggtagcc	cctggagacc	acgtctcaga	ggacaggaca	caggccgtgc	4980
acacacgcgc	acaattgcgg	ccacatggag	aaagacacat	gcgtgggcac	gggcagggtac	5040
ttactgaaaa	gatgttcctc	gaggggacct	cgtgggcgcc	tagaacctgg	cagagaccaa	5100
atgccagcgg	ttggtttgat	gtctaaccga	gaaagccaag	ttggaaggaa	aaacggaccg	5160
tccccactgt	gcccaggcag	gtccccctgc	tgtgcagcat	ggcccactgc	caggggcaca	5220
atagataatt	agctccaaag	cctcagtcct	cagggccggc	ccgctggagc	acctggaaa	5280
tagaaggcgc	tccagcctcc	tgccctcctt	cgctcttcag	aaaatttctt	aaaaggcgtg	5340
tcctgcctct	ccctcctctt	ttttgcttct	gattattttt	ttggccagtt	attcccgtct	5400
agcgatgttt	gtaacatgca	aaaactggca	aactaacctt	ggtacagcag	ggaaatcatt	5460
acaacaaacc	acagatccat	gacaacagtc	acgttatcac	ttcgccgatc	actttttctt	5520
attacaaaag	cagcatgttg	tcgctacaga	aaaagcagaa	tagggagata	agaaggtagc	5580
accagcctc	cggcctccct	gagacaagca	ctgctggccc	cctggggaat	ggcccttcgg	5640
cattagaaat	cgaaaacaaa	tgtgtaggga	catccagcca	tttctggaag	gttgataaca	5700
gaaacccaac	tctaggaagg	ccttcggaaa	ggactgctgg	atgccgaatg	tccccaacgc	5760
cctgactgga	aatgcccggac	agcttcagag	caaagctgc	ctgagccaaa	tgtgccagggt	5820
gccaaagtgc	ctgctgtcct	ggaagaaacc	ccacctgaa	cacacctgag	acgggtggcag	5880
agccaaggtc	ttccctgtca	cttggggatg	ccctgccact	tgaccaccag	gcagacgcaa	5940
agtgttccag	ccaatggcag	aagcatcata	gccattggcc	aaagagccat	gccttccagc	6000
tagaagtcca	gaaaggctcg	ggcggagtct	gacctctccc	tgtctgtgtg	tccttgcccg	6060
gcactcatca	gtccaagcca	ggggctagga	gaggggtgcc	acaaggacca	gagccccgag	6120
gatagctcag	ctgatctgtg	tggcacctgg	atctgcaagc	acaggcacgg	tcgggacttt	6180
tctgtcttct	ctctagcgct	tatcaacggg	tcgggacttt	tctgtcttct	ctctagcgct	6240

tatcaacatc	tgaatcatc	ttatttgggg	gctcttgtaa	gcacgcagaa	agcggcttcg	6300
atggaccttc	ctccagggag	ctttccctga	tgccctaagg	ctactgagct	gggaccctaa	6360
ggccctactt	acccctcttc	ctaggttatc	actgcattgc	tccctcctca	acccctgagc	6420
ccgagaggag	gggccaagtc	agtgtgtgtc	aatactgtca	ccctaggacc	cagcacagta	6480
cctggcccag	agctggcaca	taaggaacat	ttcctgagtg	aacaagcaca	tcagaaaatg	6540
aaaaaagatc	tggagactag	ggaggcctcg	gtccaaatcc	accatccact	cttcttgaga	6600
tggcttcatg	gcctcatctg	aaattcacag	aacggaggta	cctactttcc	gtgactgttg	6660
gaaagattag	gggacaggag	gtgtgtgagc	tgctcacagt	agctagtgcc	acacagcacg	6720
cctgcccctt	cacccactg	gcccctcagg	tcagagtcca	aggctgggtg	ccctgggagg	6780
tcacgggtgg	acccctgcag	ctcccagcag	tagttcctcc	tgggcttcag	ctgtggcagc	6840
aagccaatct	cctgagagca	tggacctccc	tcacagatgg	caacatcacc	accagggtcg	6900
agctgaacct	ctctgccacc	cggtcctctg	gccaggtgtt	cctttgggct	ttggcaaaag	6960
accagagag	cgctccagat	ggacttccct	gacctactg	tacagatgca	ggcaccttcc	7020
ttcaggaggt	cgcaaaggct	ctgccttgtg	ccctgacttc	cctgtgaagc	caccaatcaa	7080
aggagccaag	tgtgaggcag	gatgcaatat	gtacacgcct	cccgtctctc	catcacctct	7140
tcatggttcc	atggaaagaa	agaacatcca	cacccacat	cttatgcctg	ctgaggcttc	7200
tgtctttggc	atatttctgt	tggaccatgt	gtcaatggtg	gctgcatgtt	ttcctatggc	7260
gtccaaatca	gtgggattca	agacctgggg	ttcctctgtg	agggtttctca	cacccaggac	7320
ggtcagtcct	agggcaaggc	actgccagc	taccaccgt	tactgtccc	ctactcccac	7380
cccaacgcac	acacaggcac	acacacaggg	gaggtcaggg	aggaggcaca	catgtcttca	7440
ccaagagcct	acaggagccc	agttgctgga	gccatcagag	cctctggaaa	gccactatat	7500
actgccgtcc	tttcagcagc	aagggtggag	aagtcagcat	cgtcaagaga	atttcattag	7560
gcacaagcag	tctccccag	aggtcagaag	gagaaaacat	ggcaagtaga	gatgtccctg	7620
gggagtggcc	gcaaagtcac	ggagtctctg	aaggtcagag	ttgacaggat	cctttgagaa	7680
catgaagtct	cctcccctct	gggttcctaaa	ggggaaacta	gaaccagag	agaggaggaa	7740
atggcctaag	gccacgcagt	ggctcagtgt	gggagcatgg	cctagaggtc	aaacctctta	7800
cccatcaggg	ccagggtgctg	gctggcagct	gcttcagatg	gtttccagcc	cacctaggac	7860
ctaaattaac	ctcttcttaa	ataagtgtaa	ggaaagaaga	ctcggacctg	aatacgcaag	7920
accgcacacg	gagaagagca	gaagcaaaac	ccccgcagcc	tcagaaacct	tagctccttc	7980
ccattccagg	cgctctcagg	ggaaggcatc	tggggctcta	agactggggg	actatggggg	8040
atgactggca	aagtccggtt	ctttgccacc	gggatagggtg	gcaaagcggt	ccacgagaga	8100
ggaaaccgtg	gagaaatttg	agtcccggaa	ccggattccc	gaagcggttt	gagaaaggcg	8160
ggccgggata	cgtgagtgc	tgcttcagaa	gggtccttc	aaggacacta	aggaggtgac	8220
agccgccgtg	gcccactctc	ccggcccgtc	cggaggggccc	cccgccacct	gatgcagacc	8280
ccctggggga	gccggtccag	ggccaacttc	ggccaatccc	ctcagtgaca	gcggaggcgg	8340
ccaatcaacc	ccggcgcgaa	gccctttccc	cgcccctggt	ggggccccta	gccaatcgga	8400
ctccagactg	cttcgggtgc	ggctacccca	ccgtcctctc	gcgaccgtg	ccgcggtccc	8460
gtggctcttt	cctgctcac	ctcccaggga	ccacagagaa	gggctggccc	gagcacccgc	8520
ttcgcggcgc	tgcgggcgac	ggtcgctacc	ttcagcgcca	tgacggaaag	tgagagcctc	8580
cgcacgtccc	gacacgcaga	taccgctctc	gcgagagttc	gacggggtgc	gaagtttcgg	8640
ggacaggcgc	ggacccggta	ctgcgcacgc	gcgcggtcgc	accgattcac	gcccccttcc	8700
ggcgcctaga	gcaccgctgc	cgccatgttg	agggggg			8737

<210> 9344  
 <211> 1886  
 <212> DNA  
 <213> Homo sapiens

<400> 9344						
cagaggctgg	aggccatgga	ggctgccacc	caggctgagg	gtgagggggc	acagagggtg	60
atggggcctg	gagcgcagca	aaggctgcaa	gacatctgct	cagcagctgc	ctccaccccg	120
tctccccaga	ctctggcttg	agactagacg	ggggcagcgg	ctccacatcc	tcttcaggct	180
gtcaccccg	gggcgcagca	gcaggctcct	ccccagcctc	ttcctcccc	gccccagggg	240
gcggccgtag	cctcagcgcg	ggctcacaga	cctcaggctt	ctccggctcc	ctcttctctc	300
ctgcctcctg	ctccatcctc	tccggctcgt	ccaatcagcg	agagaccggg	ggcctcctgt	360
cgcctagcag	taagttgggt	ggcaagtggg	gggcaggcag	ggctggcagt	agtcggacca	420
cttcagtcct	cctgctctgc	cttccccagc	accattcggt	gcctcgaacc	tcctgggtgaa	480
ccccctggag	ccccaaaatg	cagataagat	caagatcaag	atcgagacc	tgggcaacgc	540
ctgctgggtg	gtatgagcaa	gtgtggggaga	gcagagtggg	gggccctgct	ccaagggtgg	600
aggcacaggg	ccgctcttgg	ggagccctac	cccagtctgc	agtgcacgtg	aaccgtcggc	660

tgggtgggca	ctggctctgc	ccagtcaca	gcactggggc	catggccaag	ggcagggggc	720
actaggaagg	gatcagcctc	agcctcacat	cactgggcct	gtccctcttg	gaggacctgg	780
ggaccccgag	gtcacagca	aacccactg	agctcctcgg	gtaggcgat	cggggtggg	840
caggagtccg	tgggggcagg	acagccttgg	ccccagcccg	tccccagggc	tccccttgct	900
tccagcaca	gcacttcacg	gaagacatcc	agactcggca	gtaccggggc	gtcgaggtgc	960
tgatcggcgc	cgaatacggc	cccccgccag	acatctggag	cacagcctgc	atggtacgcc	1020
cgcccgggct	gccctgtgcc	cagggccagc	agcccaccag	ccagcagcct	cacctcctcc	1080
cccttccagg	ccttcgagct	ggccactggt	gactacctgt	tgcagccgca	ttctggagaa	1140
gactacagtc	gtgatgaggg	taaggggtga	gggctctggg	ctcagcctcc	cggcctcccg	1200
gcctgcctgc	ccccaacctc	ctctttctgc	ccacagacca	catcgctcac	atagtggagc	1260
ttctggggga	catcccccca	gccttcgccc	tctcaggccg	ctattcccgg	gagttcttca	1320
accggagagg	tgaggggccc	ggcagcctca	ggccatgtgg	ctgcagggag	ggtgggacgg	1380
ggaccttggg	ttctgcaaca	gagggaaacac	tgggtcccag	gagccagggc	ctaagcagaa	1440
ggcaggtcca	gagacagggg	cagagcctga	cgcccgtctg	cctgcccgcg	ggagagctgc	1500
ggcacatcca	caatctcaag	cactggggcc	tgtacgaggt	actcatggaa	aagtacgagt	1560
ggcccctaga	gcaggccaca	cagttcagcg	cctttctgct	gcccattgat	gagtacatcc	1620
ccgaaaagcg	ggccagtgcc	gctgactgcc	tccagcacc	ctggctcaac	ccctaggccc	1680
ggctgtggct	ccacctccag	ctctccgtgc	cttaagggaa	aagcgggaca	gctcccacca	1740
ccctgctggg	cgccagttct	ccacaaccac	agggcagaga	gacgctggag	ccaggcccgg	1800
ctctcagagc	gtgttctgcc	tgagacccc	gtgagggtc	tcgagaaaag	tgtgtgtatt	1860
cctttcttaa	taaagtgtgg	actgaa				1886

<210> 9345  
 <211> 4005  
 <212> DNA  
 <213> Homo sapiens

<400> 9345						
cgaccagctg	ggccccctggc	tcaggaggagg	gccacgtcag	tgctgccaga	gacgtcacaa	60
tgccggccca	gccgttcggg	gcgcgattgg	ctgccgctgc	cacttacgcg	tgcctcttcc	120
tcgtttgccc	ctcgtgttca	tgggagctcg	ttttcttttc	ctctaggcag	agaagaggcg	180
atggcggcga	tggcatctct	cggcgccctg	gcgctgctcc	tgctgtccag	cctctcccgc	240
tgctcaggta	gcggcccagc	cggggcttct	ttcttgcgag	cctctgacct	acggcaggtg	300
gtgttggggg	caggagggat	gcgggggtcc	ggcctttcag	ggtccgtcgc	tgcggggccg	360
gccttcccc	gagaggcagg	cggccttggg	acggggggac	caaagcacct	cgcgcacgtt	420
taccggcagc	caggcttttc	cttgtctgcc	catacgaaga	ggagtccccg	agcctccatg	480
gtgcgcccg	ccccaaagct	gcagcacgga	acgtgacaca	tgtcccggct	cccgtccct	540
gcggggctcg	accggagcga	agctctgtag	cgctgagcga	tcgcgggcaa	aaacggggct	600
ggaggagcca	cataagctag	gaagggacct	cagtgaggag	agggagcaag	agcggggcga	660
gttagatggg	gagccaaagg	tgcgcagggc	cttgagtgcc	aggccgaaga	ctggcttttc	720
cggaggggcc	tgccttacct	ttaccagagt	tttcggcaga	gccgaccagg	ggtcccgtcg	780
atgtgcattc	gtgaggggct	gaggtctgaa	ctccagagtg	tgtttaggag	gtggctgcag	840
cagccagccc	cgggcccggg	ggccaggact	ggacaggggc	ggctttctcc	acattccctt	900
ttctgcccgc	cttcaggcca	gtagccttgc	tgccctgcaac	gttttggcag	cctaactggc	960
ctccctttcc	gcacactcct	catctgcccc	tcaggaattc	cctgaactat	agtcagggac	1020
gtatccagag	gacaagcctg	gccataaaac	ccttcggggg	ctccccctgc	ccacaggaag	1080
caggcccaac	ttaggcagga	cacagaaggg	ctggcgggat	ctagcccctg	agaactgcct	1140
ccacgctgtt	cctagggatc	tgcctcctgt	ggtccagacc	cagagccttc	tctgacgtcc	1200
tctgtgaag	ccatcgcttc	gccagggcac	cacatttgga	cagcgggtgg	ctgagaacat	1260
tcccactttg	gggagccttt	gtttcacacc	ctctgatgta	ggcggcagcc	ttcctttcct	1320
ttgggcctct	ggttatggag	aaggctaagg	caaggctcct	tctctcacag	ctaacaagtt	1380
gtgcttcttg	aaccagagtc	tctcccgttt	acttcttcag	gaaacgctgg	ggccagtctt	1440
caccttctgt	caactggccg	ggggcagaga	ccctttctct	catcttgaaa	gccccagtgc	1500
attgcctgcc	tgcagccccc	acccccgatg	tctctgctga	ggatgccttc	agtaactcgt	1560
ccaggccgtt	tgtggctctg	aattgaggtc	ggcgtggccc	ccgggcctcc	gtgtcatagg	1620
tccaagtgtt	ggcatgtatt	gtccagtgaa	tccagccccc	acctgtcccc	agttcgctct	1680
tctgcacac	ctccagaaag	ccggccttgc	ccctccccag	ccttccttca	cagccatccc	1740
gcctacgttg	ccattgcatt	tgtgaccgag	cacttggtac	tgtctcgcat	atcccacctg	1800
gaaggggcag	gaagagcgca	tgggtcccca	gctgatccgt	gctatgaggc	agggccgggc	1860
catcctgcc	tcagaccggg	atactcgagc	tggccttacc	caggcatctc	tccctcttcc	1920

ccgcagccga	ggcctgcctg	gagccccaga	tcaccccttc	ctactacacc	acttctgacg	1980
ctgtcatttc	cactgagacc	gtcttcattg	tggagatctc	cctgacatgc	aagaacaggg	2040
tccaggtgag	acagtggggt	ttcagacagg	agggcggggtg	gggggtgctc	ctcactgcta	2100
gttgatgggg	gacctgtgtc	gatagaggga	gaatcaagat	tccaactctt	gggggtgccgg	2160
agagatcagg	gcacggtgat	gccagatcct	agccagtgtt	gacaggtcac	cttctcacc	2220
tgcttttgtg	gctgtgccta	cacgaggtaa	ccctgggctc	accacccgct	gtttcctgaa	2280
tgagtatctg	gaccgggaga	aagggccagg	agtcagccca	ccccggttgc	cattggccag	2340
tttgtctgtg	tgggtgtttt	gtttttgttt	ttgttttttg	tttgtttttt	tgagataggg	2400
tctcactctg	ttgcctcagc	tggagtgcac	tggcacgata	ttggctcact	gcagcctcca	2460
cctcccgggt	tcaagcgatt	ctcctctcag	tctcctaagt	agctgggatg	acaggtgctc	2520
gccaccatgc	ccagctaagt	tcccataagt	ccaaagaagg	aaatggggcc	ttttttgggt	2580
atggccctct	tagggtaaag	cacccttggg	gcagcccact	gggcacccct	gaccccagca	2640
cctcccttgt	agactcagga	aatcactcag	cccttttgat	catcccggcc	ctgctcacag	2700
tcaacagggt	tcctatgcgt	ccagttaggc	ccggccatgg	ggatctggcc	ttgtgcccc	2760
gtagggaaga	ccaatgcaga	gggccagtca	cgggattggg	gagtgttacc	tggtacctcc	2820
tgccagggac	actgcagccc	ccaactgggc	ctagcctgcc	cacctgcagg	ccgtgtgagc	2880
agcgcacagg	gctcctctgc	ccacaccag	agggggcaga	aggtgaccct	gcctttgttc	2940
cctcacccag	aacatggctc	tctatgctga	cgtcggtgga	aaacaattcc	ctgtcactcg	3000
aggccaggat	gtggggcggt	atcaggtgag	gggccaatgg	ttcccttgct	agggggctcc	3060
ctgctcccgg	gtgtgacctg	aagccccagg	ggtggccggt	caaccagggc	caggggcccgt	3120
gggctctggc	tgccggagtg	ctgcagtgtc	ggcactgggtg	gtcagggtgg	cccctccgtg	3180
tccactctgc	ccacactctg	ctcaacaccc	aaccagggtg	tcctggagcc	tgaccacaa	3240
gagcgccac	gcaggcacct	atgaggttag	attcttcgac	gaggagtcct	acagcctcct	3300
caggaagggtg	aggactcctg	tagccactg	tgtccctctg	tccttgggga	gcaggatggg	3360
ctgggttggg	agggtgctggc	agcaagtcct	gagctgggtg	gcctttctgt	gatcctgtcc	3420
cttcctcagt	gtctcttgcc	catttctctc	ctttcctttt	ctggggcttg	ggccggtgtt	3480
cctacctgtc	tttccccctc	cctccccacc	cccacacgcc	aggcacccct	gaccccagca	3540
cctcccttgc	acctcccttg	caggctcaga	ggaataacga	ggacatttcc	atcatcccgc	3600
ctctgtttac	agtcagcgtg	gaccatcggg	tgagtggcct	ggtccctcct	cctttttggg	3660
gttggtgggc	tgagtgaagg	ttatcctctc	cacagcccca	gctctgctgc	tgggccgtga	3720
ttggccagca	tgtcttggtt	cccctggcgg	aaggtgacca	gggctggctg	gtctgctcac	3780
ctgtactccc	ctgagctggc	ttgtgatctc	ctttttttca	gggcacttgg	aacggggcct	3840
gggtgtccac	tgagggtgctg	gctgcggcga	tcggccttgt	gatctactac	ttggccttca	3900
gtgcgaagag	ccacatccag	gcctgagggc	ggcaccaccag	ccctgccctt	gcttccttca	3960
ataaacatca	caggacctgg	gactgcacag	gacctggggc	tgctg		4005

<210> 9346  
 <211> 5569  
 <212> DNA  
 <213> Homo sapiens

<400> 9346						
tctgggtgtt	gtttccagat	gtctgtatgg	taattgcatc	agaaattgcc	gtggatattg	60
taaaacatgc	ctttattact	aaattcaatg	acattactgc	agatgtatgt	attttgatat	120
gcacttcaat	gtttaaagtt	tacttctgtt	gcttaatttc	taaaagttgt	agaataatag	180
gagtttggtt	atactttaag	gtcagaattg	taattttaag	tttctaataa	ttattacact	240
attgaaagta	ttctgtttta	atattaggca	atgataattc	catattcttg	gggtagaagt	300
atagaccagc	cagtagtcga	agtcacagtg	tactaactc	aaaatcatte	tgatcagtta	360
acactgtcat	aatctgttta	aagactttta	aatcacattg	tttctatttt	aaaacttaga	420
ccatcaaaat	ttttctctct	ggctagggtt	ttaaaatatt	ttatatttta	aagttgattt	480
ttttccacga	ttatgaatag	gttcctgcta	agtttttagaa	gacgagagcc	tacatttttc	540
tggtgaaagt	gtttaaactt	tgagaaattt	gttttatgtt	ctaaccagat	gttctggata	600
atttctagaa	atagatatgt	ggctatagat	ttattgcata	taaaacataa	gaaagtttcc	660
taatgtagtt	ctcattcctg	tctcagtccc	aaaataaata	atagttccac	agttttctag	720
attttactgg	gtagtacttt	taataacagt	ctcacagtaa	tattttgttt	gtttcaaaag	780
gcaattattt	aaaataaaat	gcagttgcaa	caactgtgat	tcaattatga	gtttctgaat	840
gttttaatat	acttaaagta	aatacagttt	tgtacttttt	tgtaaagcat	tgataaagta	900
atttcaccat	ttactttctc	agctttctta	atgcagaatg	attccctttt	cataggatca	960
tttattttag	atctgaagtc	aaaattaata	ggcttgattg	agacacttgt	gcacttttta	1020
gtggtaatga	tcattcacaa	gtgccttcac	atttactatg	ttccctaact	tagttttatg	1080

tcttttttcag	catttcatttt	tctcagaagg	cattatttgg	tagacaaaaca	gtaattttttt	1140
taaactattc	atttaattta	aaattttcaa	attattttat	atacattaca	ctacttaaaaa	1200
tagtcactct	tccccaattt	ctaaactctc	aggatcatag	tcgttggata	tttattcccc	1260
tttaaagaaa	aaccttttag	agatctatga	atgttaacag	tccggtggaa	ttgagggttac	1320
attttacctt	tactgttaga	aaacaaataa	gaaattatgc	ccagatgtca	gcttggttat	1380
tagcacttgt	tcctgggttaa	ttattaaatg	tttttattaa	taaagttgca	gtctttccac	1440
attatatatt	tttactgtat	tacttgatat	ttcattcttg	tttgttttta	ggtctacagt	1500
gaatatagag	ccagtcttgc	ttttgacctt	gtttagcagc	gacagaaaaa	tgtgagcatt	1560
tatcaagggc	gtagtctgaa	attaacaaag	gcatagtctg	aaattaactg	aataatgatt	1620
aatttagcat	gaaatattaa	ctaaaggaaa	gctacataaa	ctgcctactg	atctctattc	1680
tcaacactaa	ataaacattt	acaaattaa	aataatagta	atacttaaca	ttaagtagta	1740
tatgctcttt	gcagcatttt	aagttattca	actttgtatt	taagacttgt	gaacatttgg	1800
atttccacat	catttttata	gtgccagggt	ctgttcttgc	tccatagcct	cacctgttta	1860
gaacatttgc	tggtaataag	tgaatagtag	ttttaaaatg	ctgttttaaat	cccataaatc	1920
tgaatctttt	gcttctttct	ctgttcaggc	atacactgat	tacagtgact	ctgtagcacg	1980
gaggatgggc	tttattcctc	tcccactagc	tgtttttagta	agtgcatact	ttttaatggt	2040
ttttgtaaca	aagtagccat	cattatagaa	tattaataaa	tggattatta	atatgattgt	2100
ttcaaaaagga	cttgatataa	aaattaaggg	taaataactt	ggaagaaaat	tttgttttta	2160
attatagcag	tagcttatat	atccaaatat	ctattgggtg	agccatccaa	tagatgagtg	2220
acgcttagct	gttttatgta	aatggctttc	ctaacaatga	gaatactctt	ttttgcttat	2280
tcatttagta	aaaaacattt	tttaattggaa	atgtctgagc	atggctatta	acgtggccac	2340
tgcaacacat	attgggtggaa	gtataaatta	atccagtgtt	tctacaaggc	aatgtgacag	2400
tatcatgctt	taattcagtc	atttcatttc	taggaattat	cctaaggaaa	tagttataaa	2460
agacacacaa	tgatttatgg	gcatggcttt	gcatttcagt	gacattttgt	ataataaaaa	2520
gttagaacaa	aacgaaatag	gttaaaaaat	tatggtagtc	ccaaatgaag	acataattctc	2580
tatcagtggg	aattaatact	ttttaaaaat	tgtccaaact	ttttgcaatg	aaaattcctg	2640
cttttatacc	caagaagtat	gtattttttt	tttactcggg	aggctgaggc	aggagaatgg	2700
cgtgaacctg	ggagggtggag	cttgtagtga	gccgagatcg	tgccactgca	ctccagcctg	2760
ggcgaaagag	caagactcca	tctcaaaaaa	gaaagaataa	aaagaaatat	gtattttttt	2820
caaaagcact	actgaaactt	actaaatcaa	ccctcaacaa	gtcatcaact	tgaataattt	2880
taatgaattg	cccacaacag	gcttgcaaat	agtttctagc	cagggttaggc	tataataatg	2940
ttaattaaga	cgatttggtt	agcctggcct	agtggcatgc	acctgtagtc	ctagctactc	3000
aggaggctga	ggcaagaaaa	aaaaatttgc	tggctgcact	tgtatttgat	tatgttcttt	3060
cttgactacc	gattctaaca	tcgaaacaga	tgcaaccagc	tgggcacagt	ggctcacacc	3120
tgtaatccca	gcactttggg	aagctaaggc	agggtgatca	cctgagggtc	ggagtttgaa	3180
accagcctgg	ctaacttggg	gaaaccccat	ctctactaaa	aatacaaaaa	ttagtcaggc	3240
gtgggtggcg	gcgcctgtaa	tttcagctac	ttaggaggct	gaggcaggag	aatcacttga	3300
acctgggagg	gaagggtgca	gtaagccgag	atcgcgctac	tgccctccag	cctaggcaac	3360
aagagcaaca	tcccatctca	aaaaaaaaaa	caacaaaaac	aaaacaaaac	aaacaaatgc	3420
aactgtcttt	tttgccaaag	gatattctaga	cttctatagc	tgcagtctca	tgcaaatcag	3480
ctaagaaatg	tgtaaagaaa	gtgaagggtc	taccagctat	gttttagacc	agcttccttg	3540
actttttttt	agatgacaga	tgattaatag	gcttaatgct	atttaaattt	cagtgtgcct	3600
ttacagacaa	ccacatccct	aaacattttt	aattatatta	atagcttgct	tattacatca	3660
taatatagct	ttcttttggc	tccgaaaagg	aactcctaga	attttggaaa	aatggaggct	3720
tctaataaat	aaaattgttt	gttaaaggct	taagagattg	ataaaataga	atattaaata	3780
tttccgcatt	tgtttactac	aactagaaat	atgaaacata	caaatataag	gataaaccta	3840
caaggcctga	attttttttt	ttttgtaaag	attggtcaga	tgggttgatt	taaatatgat	3900
cctgctttgc	caaataataa	ttgacttatt	tgtctagtaa	cttgtcagaa	aactcatagt	3960
atgaactttt	tttgatttag	tatttaaaaa	tttttcttca	atccttggtt	tattctttta	4020
atgagttttt	atggctgtta	taccaaataa	tttatgaata	attaataatt	gacaaaacac	4080
ttttggaaca	cctgcagtgt	gctgaaaggg	ggtcatatag	ttaggcagag	atctagtggg	4140
cttccttcca	tagcactttg	ctcacagagc	ttcgtcgtgt	gccacagctt	tggcgggcat	4200
ccaggagcct	tgagaaatac	atcgaggcct	ctgtgacaag	ttaattcttt	aattaaggca	4260
caaggatggc	aattttttct	tctaagcgtt	acattgggtc	gtaaaatgat	tttatatccg	4320
aaaaaaggaa	gaaaaaatgt	gtattaaagt	ctcatggaaa	ttagactgag	taaaagttaa	4380
ctgataatat	gctaggtgaa	agtatagtta	tttaagcctt	aaatgtgatc	attggtttgc	4440
ctttcatatt	aatgaataaa	atcctggagt	catgttaact	tcagtcacaa	ttgcctatac	4500
agtagacatt	accctgtaga	gactgtgaca	cggttgaggg	cttccattgt	cacttttctc	4560
atagttagag	tttattgaac	atatgacaag	ccattgcccc	agctcttccc	aattgttctt	4620
ttattaaaag	cattttttaa	tgtcttttta	aatgtgtacc	attatgatgt	ttatttaaga	4680
taccctaata	gactttggat	aacttgacat	tactagataa	gacgacttct	ccctaattct	4740

ctattttctct	tttaacatat	gggcatagca	gcacttgtaa	catgtggaca	ttttacttta	4800
actgattcca	ccagatttat	tcagcagact	tccaaggata	atgcttttat	tcctttat	4860
ctgtgaaaga	agtaagaaaa	tggatagtta	actgtatcca	aaagagaaaa	ctgtttcaat	4920
gtttaattaa	ttttttaata	gtgttttagtt	tttctaaata	caaaactttt	aagggtccat	4980
ttttcctgtg	ttccctgtga	gttactgggg	gttcataaaa	gagtcaaaga	agaaaggacg	5040
gagggcaaaa	aaagcaggaa	taaggaaaca	cccaccaa	aattctagct	ttgggtgtgga	5100
cacgtgtagc	aagatgaaat	catttgtact	ttgcagaatg	atattttata	aaaatcagct	5160
gctttgcatc	cctgtgaggt	ataagtgtga	cattcatgac	ctaagtatag	ggccgaactt	5220
agagagtcca	caggagtcaa	actgttgcac	tagccacagg	catcccagat	ttgcttgaac	5280
caatccaaat	gtaccacaga	aggtttcaca	agcaggcaga	ttttgataca	aatcaacaaa	5340
tctgccttct	tggattttta	gacaaaggcc	atagatatat	gcctaaaatg	ttaaagtcag	5400
catggagaaa	tctttttaag	tattaactaa	taactctgtg	gttgtgtgtt	ctgtttgtgt	5460
gtttttgttg	ttttggtttg	tttctggcta	gctcatcaga	gttgtaacaa	gctcaattaa	5520
agtgaagga	atcctgtctt	atgcctgtgt	catactcttc	tattttggg		5569

<210> 9347  
 <211> 851  
 <212> DNA  
 <213> Homo sapiens

<400> 9347						
gacatacaat	gctgaacttt	ccccaccac	accagtttc	tcctctttcc	ctccagactc	60
actcttgcca	gctaagggtg	gaggacttgc	cagcctctgc	cattactgct	ctctgcccag	120
tgccctcag	ggaatagctg	cttagcagca	gggcctgggc	ctgggctggt	ctagggcttg	180
gccaaaaaga	agccagacaa	gtgccctgcc	ttgatgtcac	agaaattccc	aacaacaaat	240
agacaacaac	tagaaaaaca	agtcactcta	ttgacagttg	gtaggaatca	ttaggaagaa	300
aagcacagta	gtatgaggag	atgaatggga	gaggcagata	cagctgcctt	agagggtggc	360
cagggcaggc	ctctctggtg	agctgggtgt	tcagtaagga	agggagctgt	gcagccacct	420
gggaagagcg	taggctcagc	agaagggcac	gggacacag	gcctgatgga	ggaacagcag	480
gcaccaggca	gctgcagtag	tccatgagca	ggcatggggg	aggagggcc	ggggacggga	540
gactacgaaa	ggagctgagc	agaagatggc	atgggtggctc	atgcctgtag	cccaggact	600
ttggcaggct	gggtgggagg	attgcttgag	cccaagagtt	tgagaccagc	ctgggcaaca	660
tagcaagacc	ccatctctac	aaaaaagaaa	attagctggg	cgtgggtggca	tacgcctgtg	720
gtcccagctg	tgcaggaggc	tgagggtggga	gattgcttaa	gccaggagt	tcaaggctgc	780
ggtgagcgat	gatcatgcc	ctgcaccaca	gcctgggcga	caatgcaaga	ctgcctctta	840
aaaaaaaaaa	a					851

<210> 9348  
 <211> 2757  
 <212> DNA  
 <213> Homo sapiens

<400> 9348						
gactaggaag	gatgtcaggg	cttagaacag	ggttgaagaa	agggacaaaa	agtctaaaaa	60
cctgagaatt	tgtgtatcgt	tgaagggcag	taagtgtatg	acatggcctt	taccataata	120
aaaaggaagc	tattcaagga	agatgctgaa	gaggtgtcaa	ggtgataagg	ataaagaact	180
atgggtgtgac	aaacagggtat	cagtaaccat	ctaaaaggat	gggcatggca	ccatgtgtag	240
gtgcaaagga	ccacatagta	agaccattgt	gaagtgtttt	ttaaaaaagt	caaaagacag	300
agaacaagca	aaggaactaa	taactaaagg	aacaaccaa	ggaactagca	gttagaaagg	360
ggaagatctg	gaactcttaa	aactaagtca	ttgtttggct	tatgggacaa	accaaacaga	420
tagaatggtt	gcagtcctta	ttaagccaaa	aggacatgaa	aacataactt	cgtcattttt	480
ctctgacacc	attgcatctt	agattgttaa	cctcttccat	gatagaacac	tgtataaagt	540
tcatatttag	agtgaataatg	ctttctgtat	ccaaacctatg	taccagatcc	atgtcttggt	600
atttattacg	tttcaacttt	ttatgggttc	ttttctctct	ttaagaaaat	atccaaaatt	660
gcatecta	tataaaacaa	gttaaaagaa	aaaaaacacc	attaatagac	agttcatgta	720
tattcttcca	gtaatttttc	tcggttatca	tatacataaa	aacatgtata	ctttattgtg	780
ctttacataa	actgaataat	actaaatgtt	taacctaatc	taactgaagt	ttttccatga	840
taatattgtg	gggtattttt	ttaaaattgt	atagcattct	agcactaata	aacatttcct	900
tattatacat	ttagattatt	tttagatttt	cattgtataa	acaatgggtc	agtaaacata	960

cctcaacctt	tatctttgaa	tacttttagga	agtatatattt	tttaggatgg	tcacctaaaa	1020
ttagaatttc	tggataaaa	ggcatatgca	tattttaagac	tagtgaatat	tgaccggggca	1080
gagtgggtca	cacctgtaat	cccagcactt	tgggaggcca	aggcgggtgg	atcacaaggt	1140
caggagatcg	agaccatcct	ggctaacaca	gtgaaacccc	atctctacta	aaaatataaa	1200
aaaattagcc	gggtgtggtg	gcggtcgcct	gtagtcccag	ctgctcagga	ggctgaggca	1260
ggagaatggc	gtgaaccccg	gaggcggagc	ttgcagttag	ccaatatagg	gccactgcac	1320
tccggcctgg	gcaaaagagc	gaggctccgt	ctcaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1380
aaaggcatac	tggatttttta	tcccttatcc	atagccttac	caatgctggc	tactgtccat	1440
ctttttttaa	tacttaccaa	atggactaag	agggattttt	cactgtttta	atatgattta	1500
tttaattttt	ggtgcagtca	tactttcttg	taatttgtea	tttgtatatc	tctcctgtga	1560
attgcctata	tatatctcat	ggccattttt	tcattaggat	ttcttttttt	cttaccagtt	1620
tctagaaatg	cattgtttat	tcctcttccc	aacttggcat	caagtgtatc	ttatgttttt	1680
ctttctcata	aattagaatg	tttcattttc	agttatatta	attttccttt	tttcttaagt	1740
acattaaaaa	aggtacaaca	gtgaaattct	catttgatatt	tgctactctg	tttcttattg	1800
gatgagtaat	caggattttt	ggggaaataa	ctggatattt	catacagcaa	gcaaataatt	1860
caaagcatgg	gaagttaaca	tagagggtgg	agtggggatg	cataaaatcg	tagtcagtaa	1920
gttaacaatg	agggaaataa	ttaaattttca	ctcagtgttt	acaaacattg	gaaaacattc	1980
tgacctgatg	ggtctgattt	cttttgttgg	aattgttttg	tctgtttaag	gataatgtga	2040
attactgtgt	gtgtagtata	attagaatat	accacagtat	cttaaaattg	tttagcatat	2100
actttaatca	gttggatctg	cttcaccctc	ttctccccat	gaagaaaatt	atatgttaag	2160
tgctcatacc	atatctactt	atcttcagta	actatattta	gccttagcat	tacaccagcc	2220
ttacagcctt	attcattcat	ttagtttcta	aacattaaaa	tcttaaatac	ttttgtttta	2280
aattagttat	tattttgttt	ttattttttt	ttaatttcat	tttttctttt	tatcttcttg	2340
gttaccaagt	tttagtgagt	taagtggctg	tcagagtatt	ggaagggggg	ctgtttgagg	2400
atgaatggta	ggaattttac	atttgatgtt	gtcttatttt	aatgagtcaa	tacagaaagt	2460
acttcagagt	atttatgaaa	agtgtaaatc	taatgttaca	tgagaatgtg	gctaggactt	2520
tatggttttt	aaattttctc	attctaaaat	tatgaagatc	aatttatatg	taaatcttac	2580
gcattaagaa	catgcttatt	gataaatcta	aatctctatt	ttagagcaat	atactttgct	2640
gcttattcaa	actgcaagga	aaagtgtgaat	gatgtatttg	atcctgattc	tacccaagta	2700
catatgattt	cagctgcaat	ggcaggatat	aatgtataat	attaaaaaaa	aaaaaaa	2757

<210> 9349  
 <211> 268  
 <212> DNA  
 <213> Homo sapiens

<400> 9349						
cccttatcgt	attacaaatt	gttttttaagg	ctttttgtat	ttattaattg	tcagttgatt	60
cactgaagct	ttaaaactgg	aagggacaat	ccaaaggctca	aaagagtga	atacaatcat	120
ttaccaataa	ggaaaccttg	ggcaaattat	gtaatttatg	tgaacctctc	ttagcttacc	180
catggaatga	gtcaagtggg	ctacatagat	ttggattttg	agaattagtt	ctttcattta	240
gtgttataga	gattatcttg	ttacaact				268

<210> 9350  
 <211> 8062  
 <212> DNA  
 <213> Homo sapiens

<400> 9350						
gctgacgtgt	gcagaagtcc	ttcttgtcct	ggtcgttggt	cccgtctgag	taccagctcc	60
ccactgccct	gagggcgggc	cggcctgcgg	cggaggga	aaaggaagagg	agaaggaaat	120
tgtcccgaat	ccctgcaggt	cagtacctgg	aagattccat	aaagtcgggg	tgcttgaggg	180
cgtagggccg	agaccgtcgc	gggtactgag	gcgcctccgt	cgtctctccc	actcgccgcc	240
cgctttccaa	gacatatgtc	ccgcttgca	cccatttcga	tgctgcgaaa	cggtagctg	300
cgggggtgtt	ggggaagagc	tcagagactg	ggaaatggga	atctgctggg	agcctagggc	360
cgcaatccgg	aaagggagct	gtggcctggg	tggtggcccc	tagtccacca	ggacagtgcc	420
ggaggggaat	ggctggatat	gggggcgggg	gtggtgagat	gcaacgcgat	atgtcagcag	480
aaccccaaga	gaggtaatag	gggtgggaaa	cctctgacaa	ccaggcctcc	gaattagaaa	540
agagttttgt	gttctgggga	ctagtccgtc	caccaagcgc	tcagtggcgg	cagtttcccc	600



tctttctgcc	tgtggctgtg	tcttactgac	catggctctg	tgtctagtgg	gtccaagcct	660
ctcccgggtg	gccagtcttt	ctgtaggttg	cggcacaacg	ccaggcaaaa	gaagaggaag	720
gaattttaatc	ctaatacgtg	gaggtcgatt	tgagggtaa	accatctggg	gaccctagga	780
gggacggggg	tggcggcg	gggtgggaga	aggcagagaa	ggtaataatc	taggtacatg	840
tctgagtccg	aatgtgtttc	ttgcaactccc	cggactgtgg	cgaaatggcg	tgctttgtgt	900
gtctgtgggt	ggggggaaagt	gggggaaatg	acagcagggg	aacctatcgg	atagtttgtt	960
cgtaatcctc	ctctctcaac	agcacttact	ctccatgttt	tcgatctgtc	atcctgcagg	1020
tctgctgtag	caggtggctc	cgcttgaagc	gagggaggaa	gtttcctccg	atcagtagag	1080
gtcgggtgtg	gcgtgggggc	tgccctggaat	gggggagggg	ttagaaatcg	ccggcacttt	1140
ggacaggctc	ttccaatcct	gctttatatt	ccttacctcc	ctcccatttc	aggctaggga	1200
gggggcagac	ctgtgcatgt	ctgggatagc	ataaagaggt	taaaaacaaa	cctgataacc	1260
ggaatgggtga	atcaggaaa	caacgaatca	acagtcaacc	catcaagtgc	tccattctca	1320
ctggctctgg	tctctctgca	gattgggaa	attgttggga	gtggcacacc	actagggaaa	1380
agaagaagg	gcgaactgct	tgtcttgagg	aggttagtgc	aagggttcta	gtcagggtccc	1440
tagggacatc	tgaggttgtg	gtgactgaga	ccccagcaga	gtctgtggat	tccattgaca	1500
ttatctaggc	tttgggcggg	gtgacctggg	atggggaggg	aaaggctgaa	atgagaggca	1560
tagagatttc	gtcaacaatc	tacatttcct	acctagcatt	caattattat	tatcttgtcc	1620
ctctgtgcag	ctccctgcat	ggggcaaacac	aagcagaaga	gaaactcaaa	cccaattttc	1680
ttcttccact	cctaggtcaa	cccccagaat	cagctcttgt	ggccttgaag	tggctgaaga	1740
cgatcacctc	ccacaggctt	gagcccagtc	ccacagcctt	cctccccccag	cctgagtgc	1800
tactctatct	cttgggtccct	gctattgtcg	gggacgattg	catgggctac	gccaggaaa	1860
taggctgggt	gaccgcaggc	ctgggtgattg	gggctggcgc	ctgctattgc	atttatagac	1920
tgactagggg	aagaaaacag	aacaaggaaa	aaatggctga	gggtggatct	ggggatgtgg	1980
atgatgctgg	ggactgttct	ggggccagg	ataatgactg	gtctgatgat	gatgatgaca	2040
gcaatgagag	caagagtata	gtatggtacc	caccttgggc	tcggattggg	actgaagctg	2100
gaaccagagc	tagggccagg	gcaagggcca	gggctacccg	ggcacgtcgg	gctgtccaga	2160
aacgggcttc	cccccaattca	gatgataccg	ttttgtcccc	tcaagagcta	caaaaaggttc	2220
tttgcttggg	tgagatgtct	gaaaagcctt	atattcttga	agcagcttta	attgctctgg	2280
gtaacaatgc	tgcttatgca	tttaacagag	atattattcg	tgatctgggt	ggtctcccaa	2340
ttgtcgcaaa	gatttctcaat	actcgggac	ccatagttaa	ggaaaaggct	ttaattgtcc	2400
tgaataactt	gagtgtgaat	gctgaaaatc	agcgcaggct	taaagtatac	atgaatcaag	2460
tgtgtgatga	cacaatcact	tctcgcttga	actcatctgt	gcagcttgct	ggactgagat	2520
tgcttacaaa	tatgactgtt	actaatgagt	atcagcacat	gcttgctaat	tccattttctg	2580
acttttttctg	tttattttca	gcgggaaatg	aagaaaccaa	acttcagggt	ctgaaactcc	2640
ttttgaattt	ggctgaaaat	ccagccatga	ctaggggaact	gctcagggcc	caagtaccat	2700
cttcaactggg	ctccctcttt	aataagaagg	agaacaaaga	agttattctt	aaacttctgg	2760
tcataattga	gaacataaat	gataatttca	aatgggaaga	aatgaacct	actcagaatc	2820
aattcgggtga	aggttcaact	tttttctttt	taaaagaatt	tcaagtgtgt	gctgataagg	2880
ttctgggaat	agaaagtcac	catgattttt	tggtgaaagt	aaaagttgga	aaattcatgg	2940
ccaaacttgc	tgaacatatg	ttcccaaaga	gccaggaata	acaccttgat	tttgtaattt	3000
agaagcaaca	cacattgtaa	actattcatt	ttctccacct	tgtttatatg	gtaaagggaat	3060
cctttcagct	gccagttttg	aataatgaat	atcatattgt	atcatcaatg	ctgatattta	3120
actgagttgg	tcttttaggtt	taagatggat	aatgaatat	cactacttgt	tctgaaaaca	3180
tgtttgttgc	tttttatctc	gctgcctaga	ttgaaatatt	ttgctatttc	ttctgcataa	3240
gtgacagtga	accaattcat	catgagtaag	ctcccttctg	tcattttcat	tgattttaatt	3300
tgtgtatcat	caataaaatt	gtatgttaat	gctggaaaga	aaaaaagaag	aaagaaagaa	3360
accttccctg	tcccttcagtt	tataatctag	ttggagagat	aagaaacgta	caaaccaaaa	3420
gataacagaa	tatctgaagc	atgtactcat	tgctcagatgt	tccctctgag	agcacagagg	3480
aggcaaaagc	ttctgtggga	tgtgctagtc	ggctaaagct	tcacagagga	ggtggcaatt	3540
gaaaatgagt	cctgaatggg	gtaggggtgg	tagggaattc	catgagacaa	gacaaggggg	3600
gcatggtgtg	agaaaggcat	ggaagtagga	acctcttcc	tatgacagga	gatcattctg	3660
cttagagtgg	agagtgtgga	gagtgaggat	agataatttt	ggaaagctgg	gtgaagccag	3720
ttgtggagaa	ttgtttgaat	attatcccat	tgaataccca	gagccactaa	atcttttttt	3780
actagaaaat	aattggggtc	catatgaaag	tctctattac	tgagttagtgt	caatgagggt	3840
gtggcaaaat	ggagcctttc	acatcctagt	ggtggccatt	tggttaataca	gatataagcc	3900
ttaaactatg	taaaccttg	tcctaaggag	gtaattgaat	aattgcccac	agatttgtat	3960
tatgaggctg	ttcatccag	cactgtctaa	gctagtaaaa	attggaaaca	atttaagtat	4020
ctagcacatt	ggattgggta	taaagcaagg	aatgttcaca	cagtaggata	ttataagtat	4080
gctgatggaa	atctatattg	ccaggaaaag	ctattcatta	tgctgttgtga	agtcagaaaag	4140
taaaaaagg	tagatagaag	tattcgaagt	atagttccat	tttttgagac	taataaaaca	4200
tatgtttaaa	aggacactaa	aaactggagt	tatagatatc	cagatagaaa	cagtagttat	4260



ctttgggtag	aagaataatg	agtgatcttt	actttttttac	tttttattca	tctttgtggt	4320
tttatttatc	taaaatgggt	attgattttt	aggacgggtt	tgaaaaagaa	aagtgttggg	4380
aatgaagcaa	gtgattgatt	ggaaaacata	ctgaatggaa	gaaatattta	gattaaaaat	4440
gaggtagggt	gaagtttctt	ctctgaaatg	atagataaat	gggtgaagata	aggcttattg	4500
tgaggattca	gtgaggtaat	atatgcaaag	tacttacaat	gttctggcac	atagtaatta	4560
attaagaaaa	tcgagcaccc	ttaattacct	agaatgcagg	gttggttagt	ttttggttga	4620
cttttgtttt	gctggggcat	tctgccatgt	tttagtgtca	tttaataaat	aatagtaaca	4680
ataaagggtta	acattttatta	agtgactact	gtgtaaagtt	ctatcattcc	tgcaaggcaa	4740
ctgttaaaaat	aattttctcac	aggagtagag	ttttctttct	ttcctaaaaa	tccaaagtgt	4800
ttcctcagac	atgatcacac	cagcctccac	aatatatttc	tagttgtttg	ggggatgtta	4860
tcttgcttta	tatatgaggc	caggaaaggg	taaaatcctc	tattcactta	cctggtttta	4920
taccaggtt	tccctgtatg	tactgtaatg	gggtgatgga	aaagtgaact	aacatttttt	4980
cttgttccta	ttgttaggtg	agagagagag	atttgtgggg	agatggagtg	gggaggatta	5040
attcctttta	aataaattca	gtttgatgta	cctgcgtgac	actcagatgg	ggataccta	5100
ttgtcatttg	aatgattgat	ctgggtgctc	gaggagatga	acaggctgca	aataaggatt	5160
tgagagccat	tggaggatgg	atgataatgg	agcacatgga	agcagatgtg	gcccttcaga	5220
gagaagggtgc	agagtcagag	tgaagggttg	caaaagaaat	gtaagggact	atgggcagct	5280
ggggagagaa	gcacagaatt	gaaacaatgt	atacccttcc	agacactttt	actattcata	5340
tacttatata	ttctttacat	aaaattggat	catactattg	aaaaattttc	agtgcctgat	5400
ttaaaacttt	tttctcacia	aaaagaataa	tattcattgg	agatataata	cttgaaaaaa	5460
tagagttgat	gagtacaaac	ttgtgccttg	accagatat	gtagcttgaa	catctaacia	5520
aaatccagat	caagccatgt	tgaacttgag	atgcggagcg	acttttacac	ctggggtgaa	5580
aatgaggcta	actcgagtag	taaaaatccc	cagtgaggca	ggtataggcc	tgactagcac	5640
ccatctgctc	ctttcccat	tcctttgttc	cttctcattc	ttctttccac	ttccttcttc	5700
ctacttttct	ttattttatc	cttctgggag	atcattgggtg	gtagcctctc	tgggcttctc	5760
tgatccttca	attcccatga	cgccatgcc	tgtatcagtg	ggcatttaat	acagaataat	5820
aactgtcatt	gctctggtca	taagttgacc	ctgggtgtga	ctggatgcc	agaatttttg	5880
gaacctttgt	tggacaaaaa	gagactgaga	aggaactagt	cttaacttgt	cacggccaca	5940
tggtcactgc	atgaattttt	gatgtcctgt	accgggtctt	atthagactg	aataaccagg	6000
agtctgggaa	agggtgatga	gatagatgtg	tgactgtctg	gtccaggcag	ccaggtcaca	6060
ggttgatgtc	ccaatgtttt	cacataggag	gttgctactc	tcaatccttt	tgggaagggc	6120
agagttctag	gattgtagct	gattatggca	gcccatgggc	acatggagga	ggcagtgtct	6180
tctctttaga	gaggatggca	gcttctggga	aaccaaggaa	accagaaact	cagaggatgt	6240
cctgctattt	tgggtttgtt	ctcatctaac	agttttagga	atataagtgg	atctatccca	6300
gtgcaaacat	gttcaaaggc	gattttacaa	aagtggagtg	ttgttctgtt	gtaaattgtc	6360
agccaatata	cataatattt	caaggctcag	gaaatggatt	ttcttttttg	aaaaattcac	6420
attttacctg	tcttttttca	aaagagattc	caagtgtagg	cttagcaaat	tgatgtgggt	6480
caggcaaat	ttatgtttat	ggctactctt	cattaatttc	tttgctaagt	tcctttgaga	6540
atggcctttt	agataatgat	tcatactatt	ttcaatgcta	gctttttaca	tttattttgc	6600
atcgcatccc	aggctgaaga	tttttttccg	gtttttctgt	ttaaaccatg	gctctttctt	6660
gcttttaagc	cagagccgtg	tcaccatcat	cctgggggtcc	cttatctgcc	ctgccccgag	6720
ggtatggtat	tagcaggata	agtaatat	acttatctga	gtggcatagc	tcagtgtctg	6780
accctctcca	ctggggccct	ctcagggtatt	gtgctaaggg	cttgggcaat	gtatgcttta	6840
ggggatagat	gggagaggag	ggagagggga	gaaggagtg	aagggaagcct	tatcagagag	6900
gtaactttat	tctgacaggg	tgccctcaaa	gtaggagaac	ttggtggatc	catctccact	6960
gtgaggataa	agttatttgt	gaaatccaat	tcttgatctc	aagagatgca	gcacatttct	7020
ccctggacac	aattataaat	tttgtctgcc	cagatgtctc	tttagcagag	gtagagcatc	7080
ggtgggtggt	agttttatga	ctattaacat	atatgatcaa	attggctatc	aaaaagagtt	7140
taagagaaat	atactttttt	ttagcagtg	gattaatttt	ttaaattata	tttttaaaaa	7200
aatgacaaat	aataaaaagt	atgtatttat	ggagtacagt	atcatgttat	gatacatgaa	7260
tacattgttg	aatgattaaa	acaggcctat	taacatacaa	cacctaacat	actaatcttt	7320
tgtggtggga	acacttaaaa	tctacttttt	aagcaatttt	ggaatataca	atatgttatt	7380
attaagtata	gtccccatgc	aatgaaatag	gctactagaa	cttaatccat	ttgtctaact	7440
gaaactttgt	gccctttaag	aaacatctct	cctttccttg	tgccctccct	tacccccatc	7500
ccgtggtaac	taccattcta	ctctacttct	atgaattcga	ctttttaaga	ttccacatat	7560
aagtgagatc	atgcattatt	tgtctttttg	tgccgtgact	atttcaccta	gtacaattgt	7620
ttctagatta	acatgttatt	gcaaagtgtg	caactgacaa	attttccttc	tttttttttt	7680
taagagacat	aagacataag	agtctcatta	cggtgccccat	gctggtatcg	aactcctggg	7740
ctcaagagat	cctcccaccc	cagcctctga	attagctagg	actacaggcc	agtgccagta	7800
cacccggctg	gctagaat	tcttcttttt	aaaggctgca	ttgtttccat	tgtatttcca	7860
tttgcattgtg	ccacattttc	tttateccatc	caatgatgga	cacttaggtt	gattccacat	7920

cttggctatt	gtgaataatg	ctgcaatgaa	catgggagtg	aagatatctc	tttgatacac	7980
tgattttcaat	tcctttgaat	atatatgcag	aagtgggatt	gctgggataat	atgggtaatta	8040
aaatttttagt	tttttgaggg	gc				8062

<210> 9351  
 <211> 398  
 <212> DNA  
 <213> Homo sapiens

<400> 9351						
ctttttccaaa	atggctgtac	taattttacat	tcccaccaac	aatgttcaag	gattttcatat	60
tcttgacatt	cttaccacaaa	ttgtcacagt	ttgtaaaagg	tagtctaata	agtggcctaa	120
gtgaatgtga	caacacttca	ttgaaagcaa	tcttaggttt	ttccaactat	agtcaataat	180
aacttaattg	tacattctaa	aataactcaa	agagtgtaat	tggattgctt	gtaacttaaa	240
ggataaatgc	ttgaggggat	ggatgcctca	ttctccatga	tgtgcttatt	tcacattgca	300
tgcctgtatc	aaaacattac	atztatccca	taatatacac	acttactatg	taccccccaa	360
aaataaacat	taaaattaag	ttttcaaaaa	aaaaaaaa			398

<210> 9352  
 <211> 1228  
 <212> DNA  
 <213> Homo sapiens

<400> 9352						
ggctcaatgt	ctggattccg	cccggcctta	aaaggagccc	ttgtgaaacc	tgggaagcct	60
cgtggccccg	cggcggtggc	tcagctgcag	ccctggctct	aaaccttggg	gcgcagactt	120
gaggcacccc	ctcctgcctg	ttggtgctga	gggggttggg	tgctgtgtca	cttgatgacg	180
tggctgacta	ccaccagggg	cagcggccga	gcccatagtg	gcgtcagtcg	cgccggcgctc	240
cttgggggtcc	agcgggtcaag	gctcagcccc	ctgaggggac	ccccccggag	ttggttccag	300
cactgggtcca	ggactggaga	gtttctcaag	gaccttgagg	accccagaag	cccttgcagc	360
aggaaaggct	gtaagggggg	gtcagcctag	ggcaggacct	agggagggga	actttcttga	420
tacatatattg	ccttttcatc	ccatctagca	agcacagtgt	taattttaga	aattatagaa	480
gaaaaaatca	gcaaggagt	tgggaaaact	gcatgcccc	ggcctcccc	gccccaggg	540
gaatttgaag	ccctggaatg	ggccgaggga	caccaggcag	ctgatctggg	tgcagtgtgg	600
ccacagacca	ctctcacaag	gttaaatctt	taacaagagc	ctcatgtttg	ttaggagaag	660
gtgggacccc	agcccaagca	cttccccatt	tggtggggac	atgaaatctt	tgctttttag	720
tggggatcac	tcctgcccga	gtcctggctg	tggtggggac	tctgcaagtt	gctaaccag	780
cgtccattct	ctttcctccg	tactaacaga	accccggtgc	ctctgcccag	ttccaatagc	840
gggcagacga	gagccatgtc	ctgggctccc	ttgcagcccc	gggtgtgcag	ctgtggcggtg	900
gaggtgggtg	gtgctgggag	agacttgcag	ggaagctcct	gtgaagggga	ctcagctgcc	960
acatgcagga	cccttcccc	ttgccttctt	cctgcctgga	acatggatgt	gatggctggt	1020
gctgggacag	ctgtcctgag	agcgtgagga	aagggtcaca	ccctaaggac	agtggagcag	1080
aacacaggaa	ggacctgtgg	ccttttgcgt	cgcagaacgc	gggaaggacc	ctgggccttt	1140
gctgacatac	cagccccaga	ctacttaaat	tcagcttttt	ttttaatgtg	agaaaataaa	1200
tgcacccctc	tctggtttaa	gccactga				1228

<210> 9353  
 <211> 4866  
 <212> DNA  
 <213> Homo sapiens

<400> 9353						
gcaggaccca	gtgctgaaca	cacacagggt	aaatgggtgt	gtgtgaaaga	ccgagaaaga	60
agctgttaat	tctgggcttc	caatgggtcag	aaatgcagag	atgaagggaa	tttgagctga	120
gtcttgaagg	gttttagtaaa	agggctcactg	tcaaggtgaa	gaaaagccag	tattgaggg	180
gctgtattttg	ggtgagccat	gcagagttag	aggtgggctg	aggcagagt	gcctccagga	240
gaaggtgaga	ggcgtgccca	ggtgccaggc	ttgatcgcca	ggctgtgctc	aggccattt	300
ttctgattca	ttttttcttt	tccgccacc	ctactgctgc	tgctttgcaa	acaacacata	360

aatctcctta	ggtagctg	gatccccga	aggcagtgc	caactgcggca	tagagaatga	420
agcggtgggc	cttagagcat	gggaatgcgt	tccccgggtg	gctgcaggtc	acggctctgc	480
agcatagttc	agagctgggt	tgcgctgggt	ggagctttgt	cctttcagtc	gccgtcatcc	540
tttcttgcat	aattaccccc	tctacattcg	cagcaccctt	acggagaacg	agctgaagtt	600
ccactacatg	gtgcacacat	ctctggacgt	ggtagatgag	aagatctccg	caatggggaa	660
ggccctggtc	gaccagaggg	agctgtacct	gggcctgctc	tacccacagg	aggactacaa	720
ggtgtatctt	tcagggcagg	gtgtgtgtca	gggaggacct	acagttgcaa	gatgtacttt	780
aggatcagat	aacttgaaac	cttttagaag	aaaaagaggt	gagagttttt	agccagccag	840
ggaattaggg	tagcttgagg	tgaatgaagg	cctgtaactc	ttctctttca	ttggaagagc	900
catttgggaa	aagcaaggct	agaattcccc	gtagaatggt	ttggtttgca	cgtgtccggt	960
gtctggtttg	caaggaaggt	gggacacttc	tgctttgtac	ctgcaaggat	ttctttctgt	1020
gcttttcagg	gggagccacc	acctttgagc	aggggataat	agtttcattt	atttcatttag	1080
gccttgccct	ttatgtcact	agacactcgt	ctagtccttt	gggacaaatc	acttgaggcc	1140
atggaattca	aagaccttcc	caaaagtcac	catgtagcct	gtccatgggt	acatttgcta	1200
gtagccacta	ttttacaaaa	taatgtggcc	tctagagagg	ggatccgcct	tggtcacgaa	1260
gcctctggtt	ttgcagttaa	ctttccgggc	caggcattga	ttcatgaaga	gggtgagggt	1320
ttccagacag	acagactcgg	agtctagggt	gttcggctcc	tggagtgtga	actgggtaag	1380
gcttggtctg	ctgctcttcg	cttctcctgc	aaacaccaga	cgctcgccct	gcaaagtatt	1440
taggcttgta	cccagcacgg	ccactgcagg	accagcccag	catgggcatt	tcctgtgatt	1500
caaggttgcc	acattttctc	aaagtgcagg	cacagagggc	cctccaccgg	cagtcctctg	1560
gttacgagtg	ccttccctaa	ccagctgtgc	agatcaggct	acgtcaccaa	ctccaagggt	1620
aagtttgtca	tggtggtaga	ttcctccaac	acagcccttc	gagacaacga	aattcgagc	1680
gtaagtcagg	gagttagagg	gccacgcccc	agtgggtggt	ttgtttttcc	tttttgactt	1740
tggtttgaaa	tgctgagaaa	ctaaaaatct	ggcagtggtt	gtgtgtatgt	ggcaagggtca	1800
tggtttgctg	gggtcttttt	agatgttccg	gaagctacac	aactcctaca	cagacgtgat	1860
gtgcaacccc	ttctacaacc	cgggggaccg	catccagctc	aggtggggcc	tactttctgt	1920
gtcttgccac	cttctttctg	taggacatgc	cttgccattt	tggttgccaa	aatgcaacca	1980
tttgaaaaat	aagggaggaa	agatcttttt	aagctatgag	caccatcccc	ctagggcgaga	2040
gggttttaag	ccacaaagcc	ccgtttctcc	acaccaactc	ttacacagat	ctccagcgca	2100
taaagtggat	agagtgtgtg	tggtgtgggg	agtagagctt	gcccatttgg	cttccagggt	2160
gtgcccagtg	ggtacctggg	gcacctgcag	gactcagggc	caagcacatg	ggcagtggtt	2220
ttcagggatc	acacgtcctt	ttgtagctac	ctgatctttt	atgttgattt	tggaacagtc	2280
aggaacctgg	tttgaggtg	tcttccgaat	agtccacaaa	gtaaacagat	ttactttttg	2340
aacatcatga	gggaaatgtg	gggtccatgc	ccacattcca	gacttgcttt	cagttagtcc	2400
ccagttccaa	gacataatc	cctgtgggtt	gcaggggaaga	ggacgctgca	gtgatccaag	2460
gcaggccctt	ccctccacca	ggacactgtc	ttggggccat	cctgggtccca	gatgggagca	2520
ggcaggcgaa	tgccacagat	cttgccatct	gggtgcacac	gggccatcct	tgccacacca	2580
ccgctctgcc	tgcccatgct	gctccctcct	ccacccttcc	ctggggcctt	gggaggctgc	2640
acagggaaact	tgagggcagc	agatgggttc	tcagtgcctc	gtgggggtgg	actcctgtcc	2700
tggtctctca	gcggagttca	catttctgga	ccctggagaa	ggtcccagag	atcctgtgga	2760
tgtagccatg	ctgcccggcc	cgtctctgag	cagaggggtg	gagggcctgg	ctctcctctg	2820
agtgggtctg	tttctcttag	cagggccttt	gataacatgg	tgacgtcgat	gatgatacag	2880
gtgtgctgag	tgagctgtgc	tgccagccat	cgcagaggag	cccgcgcacg	actgtggtgg	2940
ggcgtcgggt	ctgttctggt	tgccctctcc	tgaatgggac	gcctgggggt	ttcagggcag	3000
gcagctgtgc	atgttctctc	aactaaaggt	ctgtgtagag	gagatttggt	tttttccctt	3060
cgtgtcagcc	aaggatttaa	ttaaagaaga	ttcaactaag	gacttttctg	gggtgtgggc	3120
agaggtttgg	gatcagatgg	cgcaggtagc	ctgtcctcag	ttgtccaaag	gggcagaggc	3180
aggggtgcct	ggagccaaga	gttccctgag	ctgcaggacc	tgtgaccatg	tggtgcaccc	3240
actggctgaa	caggtgggct	ggtctggagg	gggtggcctc	ctgagcccag	aaccagccta	3300
ggatctaggg	gcacaagggg	agccggcggt	gcttcccaca	ggggaggggc	ctcctctttc	3360
tggaacttgg	ctccattctt	tgcatctggc	tcaatgtctg	gattccgccc	ggccttaaaa	3420
ggagcccttg	tgaaacctgg	gaagcctcgt	ggccccgcgg	cgttggttca	gctgcagccc	3480
tggtccctaaa	ccttgagcgt	cagacttgag	gcaccccttc	ctgcctgttg	gtgctgaggg	3540
ggttgggtgc	tggtgtcact	gatgacgtgg	ctgactacca	cccagggcag	cgccgagccc	3600
atagtgcgtc	agtcgcgcgg	cgtccttggg	gtccagcggg	caaggctcag	cccgtgagg	3660
ggaccccccc	ggagttgggt	ccagcactgg	tccaggactg	gagagtttct	caaggacctt	3720
gaggacccca	gaagcccttg	cagcaggaaa	ggctgtgaagg	gggggtcagc	ctagggcagg	3780
acctagggag	gggaactttc	ttgatacata	tttgcccttt	catcccctct	agcaagcaca	3840
gtgttaattt	tagaaattat	agaagaaaaa	atcagcaagg	agtgtgggaa	aactgcatgc	3900
cccaggcctc	ccccgcccc	gggtgaattg	gaagccctgg	aatgggccga	ggcacaccag	3960
gcagctgatc	tggtgtcatg	tgggccacag	accactctca	caaggttaaa	tctttaacaa	4020

gagcctcatg	tttgttagga	gaaggtggga	ccccagccca	agcacttccc	cattgcagcc	4080
tggcatgaaa	tctttgcctt	ttagtgggga	tcactcctgc	ccgagtcctg	gctgtgggtg	4140
ggactctgca	agttgctaac	ccagcgtcca	ttctctttcc	tccgtactaa	cagaaccccg	4200
gtgcctctgc	ccagttccaa	tagcgggcag	acgagagcca	tgtcctgggc	tcccttgca	4260
cccggggtgt	gcagctgtgg	cgtggaggtg	ggtggtgctg	ggagagactt	gcagggaagc	4320
tcctgtgaag	gggactcagc	tgccacatgc	aggacccttc	ccctttgcct	tcttctgcc	4380
tggaacatgg	atgtgatggc	tgggtgctggg	acagctgtcc	tgagagcgtg	aggaaagggt	4440
cacaccctaa	ggacagtggg	gcagaacaca	ggaaggaccc	tgggccttcg	tgacgcagaa	4500
cgcgggaagg	accctggggc	tttcttgaca	taccagcccc	agactactta	aattcagctt	4560
tttttttaat	gtgagaaaat	aaatgcaccc	ctctctgggt	taagccactg	atttttgggt	4620
tttctgttag	gtgcagccag	acccacctgt	aagtactttt	tacatgaggg	cgttttcaca	4680
agccttggtt	ggcagcatcc	ccattttaag	cccaaggaaa	cagtgcctga	tgaggcgctg	4740
ttagtcgtgg	aatgctggag	tcaggtgtgt	gcacataagc	agccttgggc	ttctgcgggc	4800
gtgcatgcag	ccagggagcc	cgactggctg	tgctttcaga	ggggacagtc	gtcaaagtgc	4860
ccagga						4866

<210> 9354

<211> 5813

<212> DNA

<213> Homo sapiens

<400> 9354

gcctggcgcc	gagcctccca	agatggcggt	gtgcatcgcg	gtgattgcc	aggaggtgcg	60
tacgcgcggc	gtggggcgtc	cgggctcgca	ccatcctcgg	ctctccgctt	tctttctact	120
tcttccctgg	gcttagaagg	caccttagga	aatgggacct	ggaggaggcc	ttcgccgagc	180
tccagcggtc	aggggcttcg	cgggtggacga	gccgccaggc	agaccctgac	tgagacccca	240
gttcccgctc	cgcccgtccc	gctgctgaac	gcacccctcg	gcgcagcagg	tctcctcccc	300
gccaggaccc	accagaaacc	taggtggctc	cgggacactac	ctccgtcctc	cgctctcagc	360
aggttctgcc	cgttctcccg	tccagcgctg	gttccccgcg	gacggcgggc	ccggccctcc	420
tgccagtcct	cccggagccg	agttaaaaac	aaatcggtatc	ctgtcacgcc	tctgcctgag	480
acctctgcag	tggcttctcg	ttgccttagg	atgctgtctg	aataacctgc	tctgggatcc	540
tttcccccca	taacccttgg	cactctccgc	tccaaccaa	caattctgca	gctccctgga	600
catgctctgc	cctctcaact	gtgggccttt	gcacgcggaa	cacctctccc	cagctcccat	660
cctctttact	ggcccacata	catttcaact	ggaaagcatt	ttctgaaggc	taagactgag	720
ctgggtggct	gcccacacgc	tcctgctgca	cggagccttc	atttcctagc	cagggctctcc	780
cgagaccaga	ctcgagaccg	ctccctgctg	ggcgggtggc	gctgctaagc	tgctcatggg	840
cttccctctt	ggccaagatg	atcatttgc	tgtttgtggg	tttattgact	aggtatcact	900
ccccacgagg	gtagcgagga	ctcttgttca	ctgtatttgt	gcaggacca	gtgctgaaca	960
cacacagggg	aaatggtggt	gtgtgaaaaga	ccgagaaaaga	agctgttaat	tctgggcttc	1020
caatggtcag	aaatgcagag	atgaagggaa	tttgagctga	gtcttgaagg	gttttagtaaa	1080
aggggtcactg	tcaaggtgaa	gaaaagccag	tattgagggg	gctgtatttg	ggtgagccat	1140
gcagagttag	aggtgggctg	aggcagagtg	gcctccagga	gaaggtgaga	ggcgtgccca	1200
ggtgccaggc	ttgatcgcca	ggctgtgctc	aggcccat	ttctgattca	ttttttcttt	1260
tccgccacc	ctactgctgc	tgttttgcaa	acaacacata	aatctcctta	ggttagctgg	1320
gatccctga	aggcagtgcc	cactgcggca	tagagaatga	agcgggtggc	cttagagcat	1380
gggaatgcgt	tccccgggtg	gctgcaggtc	acggctctgc	agcatagttc	agagctgggtg	1440
tgcgctgggt	ggagtcttgt	cctttcagtc	gccgtcatcc	tttcttgca	aattaccccc	1500
tctacattcg	cagcacccct	acggagaacg	agctgaagtt	ccactacatg	gtgcacacat	1560
ctctggacgt	ggtggatgag	aagatctccg	caatggggaa	ggccctggtc	gaccagaggg	1620
agctgtacct	gggcctgctc	tacccacagg	aggactacaa	ggtgtatctt	tcagggcagg	1680
gtgtgtgtca	gggaggacct	acagttgcaa	gatgtacttt	aggatcagat	aacttgaaac	1740
cttttagaag	aaaaagaggt	gagagttttt	agccagccag	ggaattaggg	tagcttgagg	1800
tgaatgaag	cctgtaactc	ttctctttca	ttggaagagc	catttgggaa	aagcagggct	1860
agaattcccc	gtagaatggt	ttggtttgca	cgtgtccgtt	gtctggtttg	cagaggaagt	1920
gggacacttc	tgtttgttac	ctgcaaggat	ttctttctgt	gcttttcagg	gggagccacc	1980
acctttgagc	aggggataat	agttacattt	atttcattag	gccttgccctc	ttatgtcact	2040
agacactcgt	ctagtccctt	gggacaaatc	acttgaggcc	atggaattca	aagaccttcc	2100
caaaagtc	catgtagcct	gtccatgggtg	acatttgcta	gtagccacta	ttttacaaaa	2160
taatgtggcc	tctagagagg	ggatccgcct	tgttcacgaa	gcctctgggt	ttgcagttaa	2220
ctttccgggc	caggcattga	ttcatgaaga	gggtgaggtg	ttccagacag	acagactcgg	2280

agtctaggtg	gttcgggtcc	tggagtgtga	actgggtaag	gcttggtgc	ctgctcttcg	2340
cttctcctgc	aaacaccaga	cgtcgcccta	gcaaagtatt	taggcttgta	cccagcacgg	2400
ccactgcagg	accagcccag	catgggcatt	tcctgtgatt	caagggtgcc	acatttctcc	2460
aaagtgaggg	cccacagagg	gccctccacc	ggcagtcctt	gtgttacgag	tgccttcctt	2520
aaccagctgt	gcagatacgg	ctacgtcacc	aactccaagg	tgaagtttgt	catgggtgga	2580
gattcctcca	acacagccct	tcgagacaac	gaaattcgca	gcgtaagtca	gggagttaga	2640
gggccacgcc	cgagtgggtg	ttttgttttt	cctttttgac	tttgttttga	aatgctgaga	2700
aactaaaaat	ctggcagtg	ctgtgtgtat	gtggcaaggt	catggtttgc	tgggtctttt	2760
tcagatgttc	cggaagctac	acaactccta	cacagacgtg	atgtgcaacc	ccttctacaa	2820
ccggggggac	cgcattccagt	ccagggtgggc	cctactttct	gtgtcttgcc	accttcttct	2880
tgtaggacat	gccttgccat	tttggttgcc	aaaatgcaac	catttggaag	ataagggagg	2940
aaagatcttt	ttaagctatg	agcaccatcc	ccctagggca	gaggttttta	agccacaaag	3000
ccccgtttct	ccacaccaac	tcttacacag	atctccagcg	cataaagtgg	atagagtgtg	3060
tgtggtgtgg	ggagtagagc	ttgcccattt	ggcttcccag	gtgtgcccag	tgggtacctg	3120
gggcacctgc	aggactcagg	gccaaagcaca	tgggcagtg	ctttcaggga	tcacacgtcc	3180
ttttgtagct	acctgatctt	ttatgttgaa	tttggaaacag	tcaggaacct	ggtttgcagg	3240
tgtcttccga	atagtccaca	aagtaaacag	atttaacttt	tgaacatcat	gagggaaatg	3300
tggggtccat	gccacatttc	cagacttgct	ttcagtgagt	ccccagttcc	aagacataat	3360
tccctgtggt	tggcagggaa	aaggacgtcg	caatgatcca	aggcaggccc	ctccctccac	3420
caggacactg	tcttggggcc	atcctggtcc	cagatgggag	caggcaggcg	aatgtccaca	3480
gtcttgcttc	ctgggctgca	cagggccatc	cttggcacac	ccccgtctcg	cctgcccattg	3540
ttgtcccttc	ctccaccctt	tcctggggcc	ttgggaggct	gcacagggaa	cttggaggca	3600
gcagatgggt	tctcagtgcc	cgggtggggtg	ggactcctgt	cctggcctct	cagcggagtt	3660
cacatttctg	gaccctggag	aaggtcccca	gcatectgtg	gatggagcca	tgctgcccgg	3720
cccgtctctg	agcagagggg	tggagggcct	ggctctcttc	tgagtgggtc	tgtttctctt	3780
agcagggcct	ttgataacat	ggtgacgtcg	atgatgatac	aggtgtgctg	agtgaagtgt	3840
gctgccagcc	atcgagaggg	agcccgcgca	cgactgtggt	ggggccgtcg	gtctgttctg	3900
gttgccctct	cctgaatggg	acgcctgggg	ctttcagggc	aggcagctgt	gcatgttctc	3960
tcaactaaag	gtcttgtgag	aggagatttg	gcttttctct	tccgtgtcag	ccaaggattt	4020
aattaagaag	aattcaacta	aggacttttc	tggggtgtgg	gcagagggtt	gggatcagat	4080
ggcgcaggta	gcctgtcctc	agttgtccca	aaggggcaga	ggcaggggtg	cctggagcca	4140
agagtccctg	agcctgcagg	acctgtgacc	atgtgggtca	ccactgggt	gaacaggtgg	4200
gtgggtctgg	aggggggtgg	ctcctgagcc	cagaaccagc	ctaggatcta	ggggcacaag	4260
gggagccggc	gtggcttccc	acagggggag	gccctcctct	ttctggactt	ggcctccatt	4320
ctttgcatct	ggctcaatgt	ctggattccg	cccggcctta	aaaggagccc	ttgtgaaacc	4380
tgggaagcct	cgtggccccg	cggcgttggc	tcagctgcag	ccctggctct	aaaccttgga	4440
gcgagacttt	gaggcacccc	ctcctgcctg	ttgggtgctga	gggggttggg	tgctgtgtca	4500
cttgatgacg	tggtgacta	ccaccagggg	cagcggccga	gcccatagtg	gcgtcagtgc	4560
cgcggcgctc	cttgggggtcc	agcgggtcaag	gctcagccc	ctgaggggac	ccccccggag	4620
ttgggttccag	cactgggtcca	ggactggaga	gtttctcaag	gaccttgagg	accccagaag	4680
cccttgccag	aggaaaggct	gtaagggggg	gtcagcctag	ggcaggacct	agggagggga	4740
acttttctga	tacatatttg	ccttttcatc	ccatctagca	agcacagtgt	taattttaga	4800
aattatagaa	gaaaaaatca	gcaaggagtg	tgggaaaact	gcatgcccc	ggcctcccc	4860
gccccagggt	gaattggaag	ccctggaatg	ggccgaggca	caccaggcag	ctgatctggg	4920
tgctgtggg	ccacagaccc	actttacaag	ggttaaattt	taacaagagc	cctatgtttg	4980
ttaggagaag	gtgggacccc	agcccaagca	cttccccatt	gcagcctggc	atgaaatctt	5040
tgctttttag	tggggatcac	tcctgcccga	gtcctggctg	tgggtggggac	tctgcaagtt	5100
gctaaccag	cgtccattct	ctttcctccg	tactaacaga	accccgggtg	ctctgcccag	5160
ttccaatagc	gggcagacga	aagccatgtc	ctgggctccc	ttgcagccc	gggtggggcag	5220
ctgtggcgtg	gaggtgggtg	gtgctgggtg	agacttgcag	ggaagctcct	gtgaagggga	5280
ctcagctgcc	acatgcagga	cccttccctt	ttgccttctt	cctgcccgtg	acatggatgt	5340
gatggctggt	gctgggacag	ctgtcctgag	agcgtgagga	aagggtcaca	ccctaaggac	5400
agtggagcag	aacacaggaa	ggaccctggg	cctttgtctga	cgcagaacgc	gggaaggacc	5460
ctgggccttt	gctgacatac	cagccccaga	ctacttaaat	tcagcttttt	ttttaatgtg	5520
agaaaataaa	tgcacccttc	tctggtttaa	gccactgatt	tttgggtttt	ctgttaggtg	5580
cagccagacc	cacctgtaag	tactttttac	atgagggcgt	tttcacaagc	cttgttaggc	5640
agcatcccca	ttttaagccc	aaggaaacag	tgccctgatga	ggcgtgttta	gtcgtggaat	5700
gctggagtca	ggtgtgtgca	cataagcagc	cttgggcttc	tgcggccgtg	catgcagcca	5760
gggagcccga	ctggctgtgc	tttcagaggg	gacagtcgtc	aaagtgccca	gga	5813

<210> 9355  
<211> 542  
<212> DNA  
<213> Homo sapiens

<400> 9355  
ctgactgaga ccccagttcc gcgctcgccc gtcccgtgc tgaacgcacc cctcggcgca 60  
cgaggtctcc tccccgccag acccaccaga aacctagggt gtcccgggca ctacctccgt 120  
cctccgtcct cagcaggttc tgcccgttct cccgtccagc gctgggtccc cgcggaaggc 180  
gccccggcct cctgccagtc tccccggagc cgagttaaaa acaaatcgga tctgtcacg 240  
cctctgcctg agacctctgc agtggcttct cgttgccctt ggatgctgtc tgaataacct 300  
gctctgggat cctttccccc cataaccctt ggcactctcc gctccaacca aacaattctg 360  
cagctccctg gacatgctct gccctctcac ctgtgggcct ttgcacgcgg aacacctctc 420  
ccagctccc atcctcttta ctggcccaca tacatttcaa ctggaaagca tttctgaag 480  
gctaagactg agctgggtgg ctgcccacac gctcctgctg caggagcct tcatttccta 540  
gc 542

<210> 9356  
<211> 9777  
<212> DNA  
<213> Homo sapiens

<400> 9356  
attctgatgc tcacagtacc acctcaagtg cctccccagc tcaatctcct tgttacagta 60  
accagtcaga tgacggctca gatacagaga tggcttctgg ttctaacaga acaccagttt 120  
tttccttttt agatctcact tactggaaaa ggtaaaagaa acaaagtatc tctctaacca 180  
gcaaaccatc ttaattatgg gcagtatttt tctacttcct tagcaattaa atggcatttg 240  
gcaaacagtt ggtaacacac gattgcagtg gattaagcag gaattgagca gggaagtggg 300  
atttttgtat gttcttccta ttaaaattta tttaaaataa aaatcacatc aaggtaacct 360  
cattgcctat tgctagataa gtggagtaga aagacaatat gcagtggaga gaatcagtaa 420  
aactaagagt tggtccttca aaaagacgtg accaaaaata tactagagat aaagtggatc 480  
aggaaaagga gataatacac ataagcaatt ttaggaaaga gaaaagagac ttaggtatag 540  
ataaagcaga catttaaaaa ataataggat attatagaca acttgatgcc aataaatttg 600  
aacatacagg tgaagcaggt acagtactag aaaaaagaca tgttgctaaa gctgtctcaa 660  
gaaaaagtga aaaacggaga taatctcata ataaattgat tcaggccagg tgtgatggct 720  
cacacctgta atcctagcat tttgagaggc caaggtgagg ggattgtttg agcctaggag 780  
gttaggtttg cagtaagcta tttttgcacc attgcactcc agcctgggtg taaagcaaga 840  
ctctatttaa aaaaacaaac aaacaaacaa acaaacccaca ataggcaagt tgtactaaac 900  
atccaggaac agatgatttg agcctatgca ctggcttttc cagactatgg ataaaaatagg 960  
gcataggccc caagcatttt taaggctgat ataagtttga taccaaaaca aatataatcat 1020  
cagccactag gggtattcta ggtagtaag attggtttga acatgagacg atcaactaat 1080  
ataatttacc acattgacag tttctttttt tttttttttt ttgagacgga gttttgctct 1140  
tgttgccaag ctatagtgc atggctcgat ctctgctcac tgcagcctct gcctccggg 1200  
ttcagtgatt ctctgcctt agcctcccga gtagctggga ttacaggtgc atggccacca 1260  
cacctggcta aatttttgta tttttagtag aaaaggggtt tcaccatgtt ggtcaggctg 1320  
gtctcgaaact cctgacctta ggtgatccac ctgcctcagc ctcccaaagt gttgggatta 1380  
taggcgtgag ccaccgtgcc cagcccacat tgatagtttc taaaggaagg tgtgtcttc 1440  
ttagtgggtg aaagaaggag tttgacaaat ttgaacattc ctttaagggt taaaaaaaaa 1500  
aaagttttag caaaatagga atagaaggaa acttttttac ttagacaaca ggtatcttac 1560  
aaaaaggaca aaagtacata atacataatt gtgataaaat gaaagcattt tctctatgat 1620  
caggaacaaa tcaagagtgt tgactatcac catttctatt cagcattata cagaaggttc 1680  
taaccaatac aatattggta gtagtgtagt agtaaacact ttagaacagt gcctagtgc 1740  
tagtgtaagt actttaaagt actttaaacc actttgtttg catttattta atcttttttt 1800  
tttttttttt gagacagagt ttcactctgt agcccagact ggagtgcagt ggtgttatct 1860  
tggctcactg caatgtccgc ctccctgggt caggcaattc tcccacctca gccgcccaca 1920  
tagctgggtc tacaggcagc caccaccatg cctgggcta ttttgatttt tagtagagat 1980  
ggggtttcgc catattggcc aggtctggct tgaacttcta gcttcaagt atctgcctgc 2040  
cttgacctcc caaagtgcgt ggattacagg ttgtagttac tgcacctggc cttatttagt 2100  
ctttatgaca attctgtgaa gcattatgtg aaaacacagg tacaagagg aagtactttg 2160  
tttaaggtta catagtaagt agagcaggat ttaaatctag gcagtttggc attagaatga 2220

tacattttat	catagtgtta	ggaaatataa	aataatgtag	taaaatatca	aaagcccttt	2280
ggaggagtta	tgtaaaaatc	atacaatatt	gtcgaataac	atatttttat	gtgtgtgtgt	2340
gtgtgtgtgt	gtgtgtgtgt	gtgtgtatgt	atatatataa	atatatgtct	atgttgagag	2400
agagagactc	actctgtcac	ttaggctgga	gtgcagtggt	gtgatcttgg	ctcactgcaa	2460
cctccgcctc	ctgggttcaa	gcgattttcc	tgtctcagcc	tccggagtag	ctgggattac	2520
aggcatgcac	caccacaccc	tgctaatttt	tgtattttta	gtagagattg	ggtttcacca	2580
tgctggccag	gctgatagt	aactcctgac	ctcaggtgat	ctgctcgcct	tggcctccca	2640
aagtgtctggg	attacaggca	tgaaccactg	cgcccgccg	ttgaataaca	tttaaagaca	2700
cctaaataaa	ttgagaggta	tagcacattc	atagatatta	ttaaactgac	tgttagggag	2760
atgatcactt	tgtagattca	gggtaattgc	agtcaaaatc	ccaacatatt	tatggaactt	2820
tacaagctaa	tttataattt	atatagaaaa	gcaaagggcc	caaaataggc	atcttcagaa	2880
gaaaaagaaa	gatgtggata	aacttgccct	aacagaaatc	aagacatatt	atgaagccat	2940
ggtaattaat	gtgttttggg	actaggaata	gaaaaataaa	ccaatggaat	agtatagaga	3000
gcctggaaac	aaggccacat	atgtatatag	cacttgttat	gtgatacatg	atgtgggggt	3060
gattggtggg	cgaaaaatgg	ctgttcaata	agtgttgcta	ggatattaag	aacaacatgg	3120
ttattcatgt	ggaaaaatgt	ggcttggggt	ccctacctca	caccatagac	aaacaccaat	3180
tacagatgca	ttaaagttaga	aaatagatta	tgacttttga	gtgggaaagg	atttttttat	3240
gacagagtac	ttaagcattt	aaaaaaacct	ccaggtttta	ttacattata	attatgaact	3300
taaattcatc	aaataatacc	ataaagaaaa	tgaatgata	tccagcacat	atatctgaca	3360
aaggattagt	atctggaata	tacagacaac	tcctacaatg	gaagaaaaag	ataaaccaac	3420
agaaaaatgg	acacacttag	aaaggaatca	tgaataaact	cattaaatga	taatgtgttc	3480
aaactttttg	aaaatcaagg	aaatacaaag	taaaatttca	atgagatacc	attttatact	3540
cattagattg	gtgaaaaaac	taaaataaag	tctattacca	aatgttgggg	agaaggtatg	3600
gaatgatgag	aacactgtca	gttataggtg	taaatagtta	taacctgtga	gataaatggc	3660
cgtttttgag	taaagttgaa	gacgttccca	ttcctatatg	ccagcaatat	aaactagtaa	3720
aaacctttta	gatgtgtcca	ctgatttata	cattaaaata	agagtagata	aataaaactg	3780
tgttatatat	tcacagggta	gaatattata	catgttaaaa	tgaataaag	ctctataaca	3840
atatgtatgg	atctcaacgt	tgactaaaac	attgcagaat	acattgtgat	tctgtgtgtg	3900
tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	atggataact	gtgcagtatg	attagagatg	3960
ccaacatacg	gtgaaaccat	gaagtataaa	gaaaagggag	tgataaacct	aaaattaagt	4020
ggggagagga	tgagatgagg	taggatggga	ctgtggaggg	gcctgcaggg	ggcttcatag	4080
gaaatgatct	tttttccctt	agagtatgtg	gtctgtaggc	attctcattg	tgttgtcatt	4140
tttgatgcct	ttgctaacac	acaccctttt	ttgttttttt	ttgagacaga	gttttgcctc	4200
gtctcccagg	ctagagtgcg	gtggtgtgat	ttcggctcac	tgcaacctcc	acttctggg	4260
ttcaagtgat	tctactgcct	cagttctcca	agtagctggg	actacaggca	cgtgccacca	4320
cgcttggtca	atttttgcat	tttttagtaga	gatgggggtt	cgccatgttg	gccaggctga	4380
tctcgaactc	ctgacctcaa	gttatctgcc	cacctcagcc	tcccaaactg	ctgggattac	4440
aggtgtaagc	caccacaccc	ggccacacac	tgtattttta	tctactcagt	atttaattaa	4500
aaattaccac	tcaagcactt	aggagtgtgat	aaagaaaaaa	aattaaatat	atataaaaaa	4560
ttgctagctg	catcagcctg	tttatgggtg	ctgatttttt	tttcaagagt	tggtgatttt	4620
ggaggaaaata	gttaacaaca	tcagggggag	cctttgaaac	tgactgctgt	ctttcaaaat	4680
ggcgtcttcc	tcaatatattg	agaagattcc	agtgtggcct	ttaaggcaac	tgggtaattc	4740
cccttctcta	gctaattggg	gttactctag	gagcccttcc	acttggaatg	tgcaagattg	4800
tagaagcaca	actctttggg	tatatgggac	tagttataat	agtgagtaga	tttcttttgt	4860
attcctattt	ttcttccctt	ttaatgtatc	ttgttctcca	ttttttcttt	tagacagaag	4920
atatgtttgt	ggatcatcta	taaaggccgt	tttggggaag	tcctcattga	cacacatctc	4980
ttcaagcctt	gctgcagcaa	taagaaagca	gctgctgaga	agccagagga	gcaggggcca	5040
gagcctctgc	ccatctccac	tcaggagtgg	tgactgaggt	ttttatgtag	aagggggaaca	5100
aaaaaaaaaa	tatctgaatt	ttgaaaaaac	acaaagctac	aaactgaccc	tctttttttt	5160
ttgagacgga	gttttgcctc	tgttaccgac	gctggagtgc	agtggcgtga	tcttggctca	5220
ctgcaacttc	cgtctcccgg	gttcaagtga	ttctcctgcc	tcagcctccc	aagtagctgg	5280
gtttataggt	gcccggccacc	agaccgggct	aatttttttag	tttttagtaga	gacgggggtt	5340
caccacgttg	gccaggctgg	tcttaaatga	ccctcttatt	tttaacttgg	atacctgcta	5400
ttctgccaaa	agacaatttc	tagagttagt	ttgaatgggt	tgatttcccc	cactcccaca	5460
aactctgaag	ccagtgtcta	gcttactaaa	aaaagagttg	tatataatat	ttaagatgct	5520
gagtatttca	taggaaagct	gaatgctgct	gtaaagtgct	ccttaagtct	tttttttttt	5580
taatcccctt	ctaataatg	aaactagggg	aatttccagg	gacagagatg	ggattttgtt	5640
tatgataaac	tgtatgtatg	ttttagtctt	tctgttttga	gaagcagtg	ttggggcatt	5700
tttaagatgg	ctggctactc	ttgttttccc	tcatgataat	aaatttgtca	taactcagta	5760
acatgaactt	gcccctagag	gtagtgtgta	ataattttga	aatattaagg	tcttgccaag	5820
cttctgatga	ttcacacctg	tactactgat	tattaagcag	gacagactga	gctttctggt	5880



gcaaatacct	tggaggagaa	agtaatttct	aaatatacag	agaggtaact	tgactatata	5940
tggtgcatcc	tgtgcctccc	ttcatattaa	tatttgataa	agattttaat	ttatgtaaaa	6000
cttctaaagc	agaatcaaag	ctcctcttgg	ggaaatggca	agtccttagg	ataggcaaga	6060
ccctgtatga	atagtaccaa	agcattaccg	catggtagag	aacacactcg	attaaaaatg	6120
ttaagctatc	tgaaaaataa	aatgtgcaag	tcttcaggat	ggcacaaaac	aaagggttaat	6180
gcttcttggg	gcacatttct	tagagggtct	gctgagtgtg	taaatataat	cgacttttgt	6240
ttgtgttaca	tgacttctgt	gacttcattg	aaaatctgca	caattcagtt	tcagctctgg	6300
attacttcag	ttgacctttg	tgaagggttt	tatctgtgta	gaatgggtgt	ttgacttgtt	6360
ttagcctatt	aaatttttat	tttctttcac	tctgtattaa	aagtaaaact	tactaaaaga	6420
aaagagggtt	gtgttcacat	taaatgggtt	tggtttggct	tcttttagtc	aggccttctg	6480
aacattgaga	tatcctgaac	ttagagctct	tcaatcctaa	gattttcatg	aaaagcctct	6540
cacttgaacc	caaaccagag	tactcttact	gcctcttttc	taaatgttca	ggaaaagcat	6600
tgccagttca	gtcttttcaa	aatgagggag	aaacatttgc	ctgccttgta	ataacaagac	6660
tcagtgtcta	ttttttaaac	tgcattttaa	aaattggata	gtataataac	aataaggagt	6720
aagccacctt	ttataggcac	cctgtagtgt	tatagtctct	aatctaaaca	ttttatattt	6780
ccttcttttg	gaaaaaacct	acatgctaca	agccaccata	tgcacagact	atacagttag	6840
ttgagtgtgg	tctcccacag	tctttgaggt	gaattacaaa	agtcagcca	ttatcatcct	6900
cctgagttat	ttgaaatgat	tttttttgta	cattttggct	gcagtattgg	tggtagaata	6960
tactataata	tggatcatct	ctacttctgt	atttatttat	ttattactag	acctcaacca	7020
cagtcttctt	tttccccttc	cacctctctt	tgccgttagg	atgtactgta	tgtagtcatg	7080
cactttgtat	taatatatta	gaaatctaca	gatctgtttt	gtacttttta	tactgttgga	7140
tacttataat	caaaactttt	actaggggtat	tgaataaatc	tagtcttact	agaaaataaa	7200
aggagctgtt	ttgtggcctt	gtttgacagg	tcttcagtaa	gaataatgtt	tttggccttc	7260
acataatact	agtttaagt	cttagtatta	ataacaagcc	atgaaggga	taaattcctc	7320
ttcactgaga	catagacttt	ggaataaaa	acattttaac	tgatgtgcac	aattattaat	7380
ctagtggata	agatggattt	aaaaaggaaga	acaaaatgtt	cccagtaact	tttactgtct	7440
gtgggtttat	tactatctat	gggcatagtg	ggaagcatca	ttgagacttt	agggaaacta	7500
taaaagttgg	aagggtgggtg	gcatcagggg	ttggatgctg	gttctcaagt	tcctagctct	7560
gccccttggt	agtcatttga	gttaaataat	taatgggaat	atctacttca	caggattatg	7620
aggaatccta	agagggtgtaa	tccatatcaa	acttttagaa	accagttgtt	ttattacctg	7680
ggaaaggtaa	taaagggccca	gactttttat	actactgtta	gtatttaaat	ttgggatagt	7740
ctggatgcca	cctaatacag	ttactatgaa	attaacaagg	taactaagga	agttgatagt	7800
accagtatta	tctattgcta	tgtcctaaat	taccatagat	ttagtggcct	aaaacaaatg	7860
cgtctcagtt	tctgtctgag	catgggtttag	ataggtcctt	tagaaagctc	atggctctcat	7920
ctgcattctc	acctgggtgat	ttgggaagaa	ctcatttcag	cctcactcgg	ctggcagaat	7980
tcagtctctg	ccactgcagg	actgagtgtc	cagacctctc	actgggtgtc	agctggaggc	8040
ccccgcttag	ttccttgcca	gctgggtgct	ccctgcatgg	cctggctgct	gactggacca	8100
ctgacatgat	tactgtcact	accagcaagt	gtcgagagcc	aagctgccag	caagaggggt	8160
cttttcagggt	cctgcccata	tccaagggga	gaggctcata	cgaaggattg	gataccaaga	8220
gggtgcgggtg	gggctaattg	gaaggcacct	agagtttgtc	acagcttttt	ttttttttaa	8280
ctgaattctc	ttaaattggt	cgtctcgccc	tacaatgcaa	atgcttttgt	tagcaagtaa	8340
aaagaaaaat	ggctctcaca	atatgaaaaa	ccttggtctg	gcactgtggc	ttatataaac	8400
ctgtaatccc	agcaactttg	gaggcccagg	cgggtggatc	ccttgaggtc	aggagttaa	8460
gtccaaccag	gccaacatgg	tgaaacaccg	tctctactaa	aaataaaaaa	attagccagg	8520
catggtggca	tgcgcctgtg	gtcccagcca	ctcgagagat	tgaggcagga	gaattgcttg	8580
aacctgggag	gtagagggtg	cagtgaagct	agttgggcca	ctgcactcca	gtctgggtga	8640
cagagtaaga	ctccacctcc	aaagaaaaaa	aagaaaagac	ctactgttgg	gccagacact	8700
tttaaacatt	gtttaagtaa	ccctgcaaag	taaaaaaaaa	tctattttacc	ggtaagagga	8760
ggtgccagga	ggtcatgtaa	cttgaatgaa	agaatctgct	tttcttattt	gaaagccttt	8820
gttctctaaa	ctgtctcctg	tctgtctgag	taattgtgtc	ctaaccctca	ttggaaacta	8880
ttccctgggt	ctcttcttgc	ctcccttctt	tctgaaggct	gaaatgaggg	gcaagtttaa	8940
cttttgcaga	tacgttgatc	tttaacttaa	atcaaattct	gttttttaat	tttgataatg	9000
ttcaaagtac	ctattatctg	tctttttgtg	gagaaaactg	ctggagggtt	agtgaacga	9060
tatcttaaaa	caattcatca	aggtggctgc	tctgcagtga	acaatagaag	gtaccctggg	9120
agctcttcta	ttcagegtcc	ctagaacagt	ttcctagtgc	cccagattta	gcattgtagt	9180
ggccaggcaa	tcatttttgt	gtgatgttca	gtgaactcgg	aaggaggagg	aaagccaaat	9240
tagatcaaag	atagataatt	tcacaggctc	atgttctcaa	agaaagggat	ctgcgggttc	9300
tgtctaacaa	tttctcaagc	tgtggagttt	ggttactcat	tgtagtcatg	agaatgcttt	9360
aggtatcaaa	taccttacac	cctgggttaga	aactgcttgt	tattgtatgt	tgactagggg	9420
gtcttagaca	aacttagttg	caagctttag	catgaaagaa	cttagtcatt	cagtttagag	9480
agagacaaaa	gatttttttg	cgaaagcctg	ctcttttatct	gaaaggggga	aatgatttat	9540



tctgtttttac	agcattttatt	ctctaaaactt	ctatggccta	tattagctta	actgtgtctc	9600
caggatttgg	ctttttttttt	ttttttttttt	tcagacagag	tcttgctctt	gttaccagg	9660
ctggagtga	atggcgatgat	ctcggctcac	tgcaacctcc	gcctcctggg	ttcaagcgat	9720
cctcctgcct	cagcctccc	agtagctggg	attacaggcg	cctgccacca	cgccag	9777

<210> 9357  
 <211> 8672  
 <212> DNA  
 <213> Homo sapiens

<400> 9357						
attctgatgc	tcacagtacc	acctcaagtg	cctccccagc	tcaatctcct	tgttacagta	60
accagtcaga	tgacggctca	gatacagaga	tggtctctgg	ttctaacaga	acaccagttt	120
tttccctttt	agatctcact	tactggaaaa	ggtaaaagaa	acaaagtatc	tctctaacca	180
gcaaaccatc	ttaattatgg	gcagtatctt	tctacttcct	tagcaattaa	atggcatttg	240
gcaaacagtt	ggtaacacac	gattgcagtg	gattaagcag	gaattgagca	gggaagtggg	300
atcttttgtat	gttcttccta	ttaaaattta	tttaaaataa	aaatcacatc	aaggtacctt	360
cattgcctat	tgctagataa	gtggagttaga	aagacaatat	gcagtggaga	gaatcagtaa	420
aactaagagt	tggtccttca	aaaagacgtg	acaaaaata	tactagagat	aaagtggatc	480
aggaaaagga	gataatacac	ataagcaatt	ttaggaaaga	gaaaagagac	ttaggtatag	540
ataaagcaga	catttaaaaa	ataataggat	attatagaca	acttgatgcc	aataaatttg	600
aacatacagg	tgaagcaggt	acagtactag	aaaaaagaca	tggtgctaaa	gctgtctcaa	660
gaaaaagtga	aaaacggaga	taatctcata	ataaattgat	tcaggccagg	tgtgatggct	720
cacacctgta	atcctagcat	tttgagaggg	caaggtgagg	ggattgtttg	agcctaggag	780
gttaggtttg	cagtaagcta	tttttgcacc	attgcactcc	agcctggtga	taaagcaaga	840
ctctatttaa	aaaaacaaac	aaacaaacaa	acaaaccaca	ataggcaagt	tgtactaaac	900
atccaggaac	agatgattgg	agcctatgca	ctggcttttc	cagactatgg	ataaaatagg	960
gcataggccc	caagcatttt	taaggctgat	ataagtttga	taccaaaca	aatatatcat	1020
cagccactag	ggttattcta	ggtagtgaag	attgggttga	acatgagacg	atcaactaat	1080
ataatttacc	acattgacag	tttctttttt	tttttttttt	ttgagacgga	gttttgctct	1140
tggtgccaag	ctatagtga	atggctcgat	ctctgtctac	tgacgctct	gcctcccggg	1200
ttcagtgatt	ctcctgcctt	agcctcccga	gtagctggga	ttacaggtgc	atggccacca	1260
cacctggcta	aatttttgta	tttttagtag	aaaaggggtt	tcaccatggt	ggtcaggctg	1320
gtctcgaact	cctgacctta	ggtagatccac	ctgcctcagc	ctcccaaagt	gttgggatta	1380
taggcgtgag	ccaccgtgcc	cagcccacat	tgatagtttc	ttaaaggaagg	tggtgtcttc	1440
ttagtgggtc	aaagaaggag	tttgacaaat	ttgaacattc	ctttaagggt	taaaaaaaaa	1500
aaagttttag	caaaatagga	atagaaggaa	acttttttac	ttagacaaca	ggtatcttac	1560
aaaaaggaca	aaagtacata	atacataatt	gtgataaaat	gaaagcattt	tctctatgat	1620
caggaacaaa	tcaagagtgt	tgactatcac	catttctatt	cagcattata	cagaagggtc	1680
taaccaatac	aatatttgga	gtagtgtagt	agtaaacact	ttagaaaagt	gcctagtga	1740
tagtgtaagt	acttttaagt	actttgtttg	cattttattt	atcttttttt	1800	
tttttttttt	gagacagagt	ttcactctgt	agccagact	ggagtgcagt	ggtgttatct	1860
tggtctcactg	caatgtccgc	ctcctgggct	caggcaattc	tcccacctca	gccgcccaca	1920
tagctgggtc	tacaggcacg	caccaccatg	cctgggcta	ttttgtattt	agtttagagat	1980
gggggtttcgc	catattggcc	aggctgggtc	tgaacttcta	gcttcaagtg	atctgcctgc	2040
cttgacctcc	caaagtgtg	ggattacagg	tgtagattac	tgacacctgg	cttatttagt	2100
ctttatgaca	attctgtgaa	gcattatgtg	aaaacacagg	tacaaagagg	aagtactttg	2160
tttaagggtta	catagtaagt	agagcaggat	ttaaatctag	gcagtttggc	attagaatga	2220
tacattttat	catagtgtta	ggaaatataa	aataatgtag	taaaatatca	aaagcccttt	2280
ggaggagtta	tgtaaaaatc	atacaatatt	gtcgaataac	atctattttt	gtgtgtgtgt	2340
gtgtgtgtgt	gtgtgtgtgt	gtgtgtatgt	atatatataa	atatatgtct	atgttgagag	2400
agagagactc	actctgtcac	ttaggctgga	gtgcagtggg	gtgatcttgg	ctcactgcaa	2460
cctccgcctc	ctgggttcaa	gcgattttcc	tgtctcagcc	tccggagtag	ctgggattac	2520
aggcatgcac	caccacaccc	tgctaatttt	tgtattttta	gtagagattg	ggtttcacca	2580
tgctggccag	gctgatagtg	aactcctgac	ctcaggtgat	ctgctgcct	tggcctccca	2640
aagtgtctggg	attacaggca	tgaaccactg	cgcccggccg	ttgaataaca	tttaaagaca	2700
cctaaataaa	ttgagaggta	tagcacattc	atagatatta	ttaaactgac	tggttagggag	2760
atgatcactt	tgtagattca	gggtaattgc	agtcaaaatc	ccaacatatt	tatggaactt	2820
tacaagctaa	tttataattt	atatagaaaa	gcaaagggcc	caaaataggc	atcttcagaa	2880
gaaaaagaaa	gatgtggata	aacttgcctt	aacagaaatc	aagacatatt	atgaagccat	2940

ggtaattaat	gtgttttggg	actaggaata	gaaaaataaa	ccaatggaat	agtatataga	3000
gcctggaaac	aaggccacat	atgtatatag	cacttggtat	gtgatacatg	atgtgggggt	3060
gattggtggg	cgaaaatggt	ctgttcaata	agtgttgcta	ggatattaag	aacaacatgg	3120
ttattcatgt	ggaaaaattg	ggcttggggt	ccctacctca	caccatagac	aaacaccaat	3180
tacagatgca	ttaaagtaga	aaatagatta	tgacttttga	gtgggaaagg	atTTTTttat	3240
gacagagtac	ttaagcattt	aaaaaaacct	ccaggtttta	ttacattata	attatgaact	3300
taaattcatc	aaataatacc	ataaagaaaa	tgaaatgata	tccagcacat	atatctgaca	3360
aaggattagt	atctggaata	tacagacaac	tcctacaatg	gaagaaaaag	ataaaccaac	3420
agaaaaatgg	acacacttag	aaaggaatca	tgaaataact	cattaaatga	taatgtgttc	3480
aaactttttg	aaaatcaagg	aaatacaaa	taaaatttca	atgagatacc	atTTttatact	3540
cattagattg	gtgaaaaaac	taaaataaag	tctattacca	aatgttgggg	agaaggatg	3600
gaatgatgag	aacactgtca	gttatagggt	taaatagtta	taaccatgta	gataaatggc	3660
cgTTTTtgag	taaagttgaa	gacgttccca	ttcctatatg	ccagcaatat	aaactagtaa	3720
aaacctttta	gatgtgtcca	ctgatttata	cattaaaaata	agagtagata	aataaaaactg	3780
tgttatatat	tcacagggtg	gaatattata	catgttaaaa	tgaaataaag	ctctataaca	3840
atatgtatgg	atctcaacgt	tgactaaaa	attgcagaat	acattgtgat	tctgtgtgtg	3900
tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	taatggataa	ctgtgcagta	tgattagaga	3960
tgccaacata	cggtgaaacc	atgaagtata	aagaaaaggg	agtataaac	ctaaaaattaa	4020
gtggggagag	gatgagatga	ggtaggatgg	gactgtggag	gggcctgcag	ggggcttcat	4080
aggaaatgat	cttttttccc	ttagagtatg	tggtctgtag	gcattctcat	tgtgttgta	4140
tttttgatgc	ctttgctaac	acacaccctt	ttttgttttt	ttttgagaca	gagttttgct	4200
ctgtctccca	ggctagagtg	cagtgggtgtg	atttcggctc	actgcaacct	ccacttctctg	4260
ggttcaagtg	attctactgc	ctcagtcctc	caagtagctg	ggactacagg	cacgtgccac	4320
cacgcctggc	taattttttg	atTTtttagta	gagatggggg	ttcgccatgt	tggccaggct	4380
gatctcgaac	tccgtacctc	aagttatctg	cccacctcag	cctcccaaac	tgctgggatt	4440
acaggtgtaa	gccaccacac	ccggcccaca	catgtatttt	tatctactca	gtattttaatt	4500
aaaaattacc	actcaagcac	ttaggagtgtg	ataaagaaaa	aaaattaaat	atatataaaa	4560
aattgctagc	tgcatcagcc	tgtttatggg	ggctgatttt	tttttcaaga	gttgggtgatt	4620
ttggaggaaa	tagttaacaa	catcaggggc	agcctttgaa	actgactgct	gtctttcaaa	4680
atgccgtctt	cctcaatatt	tgagaagatt	ccagtgtggc	ctttaaggca	actgggtaat	4740
tccccctctc	tagctaattg	gggttactct	aggagccctt	tcacttggaa	tgtgcaagat	4800
tgtagaagca	caactctttg	gttatattgg	actagttata	atagttagta	gatttctttt	4860
gtattctctat	ttttcttctt	tattaatgta	tcttgttctc	cattttttct	tttagacaga	4920
agatatgttg	tgggatcatc	tataaaggcc	gttttggggg	agtcctcatt	gacacacatc	4980
tcttcaagcc	ttgctgcagc	aataagaaag	cagctgctga	gaagccagag	gagcaggggc	5040
cagagcctct	gcccctctcc	actcaggagt	ggtgactgag	gtttttatgt	agaaggggaa	5100
caaaaaaaaa	aatatctgaa	ttttgaaaaa	ccacaaagct	acaaactgac	cctctttttt	5160
ttttgagacg	gagttttgct	cttggtaccc	aggctggagt	gcagtggcgt	gatcttggct	5220
cactgcaact	tccgtctccc	gggttcaagt	gattctcctg	cctcagcctc	ccaagtagct	5280
gggttttatag	gtgcccgcga	ccagaccggy	ctaatttttt	agtttttagta	gagacggggt	5340
ttcaccacgt	tggccaggct	ggtcttaaat	gaccctctta	tttttaactt	ggatacctgc	5400
tattctgcga	aaagacaatt	tctagagtga	tttgaatgg	gttgatttcc	cccactccca	5460
caaactctga	agccagtgtc	tagcttacta	aaaaaagagt	tgtatataat	atttaagatg	5520
ctgagtattt	cataggaaag	ctgaatgctg	ctgtaaagtg	ctctttaagt	cttttttttt	5580
tttaatcccc	ttctaataaa	tgaaactagg	ggaatttcag	gggacagaga	tgggatttgt	5640
tgtatgataa	actgtatgta	gttttttagtc	tttctgtttt	gagaagcagt	ggttggggca	5700
tttttaagat	ggctggctac	tcttgttttc	cctcatgata	ataaatttgt	cataactcag	5760
taacatgaac	ttgcccctag	aggtagttgt	taataatttt	gaaatattaa	ggtcttgcca	5820
agcttctgat	gattcaccac	tgtactactg	attattaagc	aggacagact	gagctttctg	5880
ttgcaaatat	cttgaggag	aaagtaattt	ctaaatatac	agagaggtaa	cttgactata	5940
tatgttgcat	cctgtgcctc	ccttcataatt	aatatttgat	aaagatttta	atttatgtaa	6000
aacttctaaa	gcagaatcaa	agctcctctt	ggggaatgg	caagtcttta	ggataggcaa	6060
gacctgtgat	gaatagtacc	aaagcattac	cgcattggtag	agaacacact	cgattaaaaa	6120
tgtaagcta	tctgaaaaat	aaaatgtgca	agtcttcagg	atggcacaaa	acaaagggtta	6180
atgcttcttg	gggcacattt	cttagagggc	ttgctgagtg	tgtaaatata	atcgactttt	6240
gtttgtgtta	catgacttct	gtgacttcat	tgaaaatctg	cacaattcag	tttcagctct	6300
ggattacttc	agttgacctt	tgtgaagggt	tttatctgtg	tagaatgggt	gtttgacttg	6360
ttttagccta	ttaaattttt	atTTttctttc	actctgtatt	aaaagtaaaa	cttactaaaa	6420
gaaaagaggt	tgtgtttcac	attaaatggg	tttggtttgg	cttcttttag	tcaggctttc	6480
tgaacattga	gatattcctga	acttagagct	cttcaatcct	aagattttca	tgaaaagcct	6540
ctcacttgaa	cccaaaccag	agtactctta	ctgcctcttt	tctaaatgtt	caggaaaagc	6600

attgccagtt	cagtcttttc	aaaatgaggg	agaaacattt	gcctgccttg	taataacaag	6660
actcagtgt	tattttttta	actgcatttt	aaaaattgga	tagtataata	acaataagga	6720
gtaagccacc	ttttataggg	accctgtagt	tttatagttc	ttaatctaaa	cattttatat	6780
ttccttcttt	tggaaaaaac	ctacatgcta	caagccacca	tatgcacaga	ctatacagtg	6840
agttgagttg	gctctcccac	agtctttgag	gtgaattaca	aaagtcacgc	cattatcatc	6900
ctcctgagtt	atltgaaatg	atlttttttg	tacatttttg	ctgcagttat	gggtgtagaa	6960
tatactataa	tatggatcat	ctctacttct	gtattttatt	atlttattact	agacctcaac	7020
cacagtcttc	tttttcccct	tccacctctc	tttgctgtga	ggatgtactg	tatgtagtca	7080
tgcactttgt	attaatatat	tagaaatcta	cagatctgtt	ttgtactttt	tatactgttg	7140
gatacttata	atcaaaactt	ttactagggg	attgaataaa	tctagtctta	ctagaaaata	7200
aaaggagctg	ttttgtggct	ttgtttgaca	ggcttccagt	aagaataatg	tttttggtct	7260
tcacatatat	tcagtttaag	tgcttagtat	taataacaag	ccatgaaggg	aataaattcc	7320
tcttctactga	gacatagact	ttggaataaa	agacatttta	actgatgtgc	acaattatta	7380
atctagtggg	taagatggat	ttaaaaggaa	gaacaaaatg	ttcccagtac	tttttactgt	7440
ctgtgggttt	attactatct	atgggcatag	tgggaagcat	cattgagact	ttagggaaac	7500
tataaaagtt	ggaagggtgg	tggcatcagg	ggttggatgc	tggttctcaa	gttcctagct	7560
ctgccccctt	ttagtcattt	gagttaaata	attaatggga	atatctactt	cacaggatta	7620
tgaggaatcc	taagaggtgt	aatccatata	aaactttttg	aaaccagttg	ttttattacc	7680
tgggaaaggt	aataaagggc	cagacttttt	atactactgt	tagtatttta	atttgggata	7740
gtctggatgc	cacctaatat	agttactatg	aaattaacaa	ggtaactaag	gaagttgata	7800
gtaccagtat	tatctattgc	tatgtcctaa	attaccatag	atttagtggc	ttaaaacaaa	7860
tgcgtctcag	tttctgtctg	agcatggttt	agataggtcc	tttagaaaagc	tcattggtctc	7920
atctgcattc	tcacctgggtg	atlttggaag	aactcatttc	agcctcactc	ggctggcgaga	7980
atccagttct	tgccactgca	ggactgagtg	tccagacctc	tcactgggtg	tcagctggag	8040
gcccccgctt	agttccttgc	cagctgggtg	ctccctgcat	ggcctggctg	ctgactggac	8100
cactgacatg	attactgtca	ctaccagcaa	gtgtcgagag	ccaagctgcc	agcaagaggg	8160
gtcttttcag	gtcctgcccc	tatccaaggg	gagaggctca	tacgaaggat	tggataccaa	8220
gaggtgcggg	tgggggcta	gggaaggcac	ctagagtttg	tcacagcttt	tttttttttt	8280
aactgaatct	ctttaaattg	gtcgtctcgc	cctacaatgc	aatgcttttg	tgtagcaagt	8340
aaaaagaaaa	atgggtctca	caatatgaaa	aacctgggct	gggcactgtg	gcttatataa	8400
acctgtaatc	ccagcacttt	gggaggccca	ggcgggtgga	tcccttgagg	tcaggagttc	8460
aagtccaacc	aggccaacat	ggtgaaacac	cgtctctact	aaaaataaaa	aaatttagcca	8520
ggcatgggtg	catgcgcctg	tgggtcccagc	cactcgagag	attgaggcag	gagaattgct	8580
tgaacctggg	aggtagaggt	tgcagtgagc	tgcattgggg	cactgcactc	cagtctgggt	8640
gacagagtaa	gactccacct	ccaaagaaaa	aa			8672

<210> 9358  
 <211> 8670  
 <212> DNA  
 <213> Homo sapiens

<400> 9358						
attctgatgc	tcacagtacc	acctcaagtg	cctccccagc	tcaatctcct	tgttacagta	60
accagtcaga	tgacgggtca	gatacagaga	tggcttctgg	ttctaacaga	acaccagttt	120
tttccttttt	agatctcact	tactggaaaa	ggtaaaagaa	acaaagtatc	tctctaacca	180
gcaaaccatc	ttaattatgg	gcagtatttt	tctacttctc	tagcaattaa	atggcatttg	240
gcaaacagtt	ggtaacacac	gattgcagtg	gattaagcag	gaattgagca	gggaagtggg	300
atlttttgtat	gttcttctta	ttaaaattta	tttaaaataa	aaatcacatc	aaggtagcta	360
cattgcctat	tgctagataa	gtggagtata	aagacaatat	gcagtggaga	gaatcagtaa	420
aactaagagt	tggtccttca	aaaagacgtg	accaaaaata	tactagagat	aaagtggatc	480
aggaaaagga	gataatacac	ataagcaatt	ttaggaaaga	gaaaagagac	ttaggtatag	540
ataaagcaga	cattttaaaaa	ataataggat	attatagaca	acttgatgcc	aataaatttg	600
aacatacagg	tgaagcaggt	acagtactag	aaaaaagaca	tgttgctaaa	gctgtctcaa	660
gaaaaagtga	aaaacggaga	taatctcata	ataaattgat	tcaggccagg	tgtgatggct	720
cacacctgta	atcctagcat	tttgagaggc	caagggtgag	ggattgtttg	agcctaggag	780
gttaggtttg	cagtaagcta	tttttgcacc	attgcactcc	agcctgggtg	taaagcaaga	840
ctctatttaa	aaaaacaac	aaacaacaca	acaaaccaca	ataggcaagt	tgtactaaac	900
atccaggtaac	agatgattgg	agcctatgca	ctggcttttc	cagactatgg	ataaaatagg	960
gcataggccc	caagcatttt	taaggctgat	ataagtttga	taccaaaca	aatatatcat	1020
cagccactag	ggttatttcta	ggtatgtaag	attggtttga	acatgagacg	atcaactaat	1080

ataatltacc	acattgacag	tttctttttt	tttttttttt	ttgagacgga	gttttgctct	1140
tggtgccaa	ctatagtga	atggctcgat	ctctgctcac	tgagcctct	gcctcccggg	1200
ttcagtgatt	ctcctgcctt	agcctcccga	gtagctggga	ttacaggtgc	atggccacca	1260
cacctggcta	aatlttttgta	tttttagtag	aaaagggtt	tcaccatgtt	ggtcaggctg	1320
gtctcgaact	cctgacctta	ggtgatccac	ctgcctcagc	ctcccaaagt	gttgggatta	1380
taggcgtgag	ccaccgtgcc	cagcccacat	tgatagtttc	taaaggaagg	tggtgtcttc	1440
ttagtgggtc	aaagaaggag	tttgacaaat	ttgaacattc	ctttaagggt	taaaaaaaaa	1500
aaagttttag	caaaatagga	atagaaggaa	acttttttac	ttagacaaca	ggtatcttac	1560
aaaaaggaca	aaagtacata	atacataatt	gtgataaaat	gaaagcattt	tctctatgat	1620
caggaacaaa	tcaagagtgt	tgactatcac	cattttctatt	cagcattata	cagaaggttc	1680
taaccaatac	aatattggta	gtagtgtagt	agtaaact	ttagaacagt	gcctagtgc	1740
tagtgtaagt	actttaaagt	actttaaacc	actttgtttg	cattttattta	atcttttttt	1800
tttttttttt	gagacagagt	ttcactctgt	agcccagact	ggagtgcagg	ggtgttatct	1860
tggtctcactg	caatgtccgc	ctcctgggct	caggcaattc	tcccacctca	gccgcccana	1920
tagctgggtc	tacaggcacg	caccaccatg	cctggcta	ttttgtattt	tagtagagat	1980
ggggtttcgc	catattggcc	aggctggct	tgaacttcta	gcttcaagt	atctgcctgc	2040
cttgacctcc	caaagtgtcg	ggattacagg	tgtagttac	tgacctggc	cttatttagt	2100
ctttatgaca	attctgtgaa	gcattatgtg	aaaacacagg	tacaaaggag	aagtactttg	2160
tttaagggtta	catagtaagt	agagcaggat	ttaaatctag	gcagtttggc	attagaatga	2220
tacattttat	catagtgtta	ggaaatataa	aataatgtag	taaaatatca	aaagcccttt	2280
ggaggagtta	tgtaaaaatc	atacaatatt	gtcgaataac	atltattttat	gtgtgtgtgt	2340
gtgtgtgtgt	gtgtgtgtgt	gtgtgtatgt	atatatataa	atatatgtct	atgttgagag	2400
agagagactc	actctgtcac	ttaggctgga	gtgcagtggg	gtgatcttgg	ctcactgcaa	2460
cctccgcctc	ctgggttcaa	gcgattttcc	tgtctcagcc	tccggagtag	ctgggattac	2520
aggcatgcac	caccacaccc	tgctaatttt	ctcaggtgat	gtagagattg	ggtttcacca	2580
tgctggccag	gctgatagt	aactcctgac	ctcaggtgat	ctgctcgct	tggcctccca	2640
aagtgtctggg	attacaggca	tgaaccactg	cgcccgccg	ttgaataaca	tttaagaca	2700
cctaaataaa	ttgagaggta	tagcacattc	atagatatta	ttaaactgac	tgtagggag	2760
atgatcactt	tgtagattca	gggtaattgc	agtcaaaatc	ccaacatatt	tatggaactt	2820
tacaagctaa	tttataattt	atatagaaaa	gcaaagggcc	caaaataggc	atcttcagaa	2880
gaaaaagaaa	gatgtggata	aacttgccct	aacagaaatc	aagacatatt	atgaagccat	2940
ggtaattaat	gtgttttggg	actaggaata	gaaaaataaa	ccaatggaat	agtatagaga	3000
gcctggaaac	aaggccacat	atgtatata	cactgtttat	gtgatacatg	atgtgggggt	3060
gattgggtggg	cgaaaaatgg	ctgttcaata	agtgttgcta	ggatattaag	aacaacatgg	3120
ttattcatgt	ggaaaaattg	ggcttgggtt	ccctacctca	caccatagac	aaacaccaat	3180
tacagatgca	ttaaagtaga	aaatagatta	tgacttttga	gtgggaaagg	atltttttat	3240
gacagagtac	ttaagcattt	aaaaaaacct	ccaggtttta	ttacattata	attatgaact	3300
taaattcatc	aaataatacc	ataaagaaaa	tccaatgata	cccagcccat	atatctcaca	3360
aagcattagt	atctgcaaca	cacagccaac	tcctccaatg	gaagaaaaag	ataaccccca	3420
gcaaaaaatg	ccacacttag	aaaggaatca	tgaataaact	cattaaatga	taatgtgttc	3480
aaactttttg	aaaatcaagg	aaatacaaa	taaaatttca	atgagatacc	atltttatact	3540
cattagattg	gtgaaaaaac	taaaataaag	tctattacca	aatgttgggg	agaaggtag	3600
gaatgatgag	aacactgtca	gttatagggt	taaatagtta	taaccatgta	gataaatggc	3660
cgttttttgag	taaagttgaa	gacgttccca	ttcctatatg	ccagcaatat	aaactagtaa	3720
aaacctttta	gatgtgtcca	ctgatttata	cattaaaata	agagtagata	aataaaaactg	3780
tgttatatat	tcacagggtta	gaatattata	catgttaaaa	tgaaataaag	ctctataaca	3840
atatgtatgg	atctcaacgt	tgactaaaac	attgcagaat	acattgtgat	tctgtgtgtg	3900
tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	atggataact	gtgcagtatg	attagagatg	3960
ccaacatacg	gtgaaacccat	gaagtataaa	gaaaaggagg	tgataaacct	aaaattaagt	4020
ggggagagga	tgagatgagg	taggatggga	ctgtggaggg	gcctgcaggg	ggcttcatag	4080
gaaatgatct	tttttccctt	agagtatgtg	gtctgtaggc	attctcattg	tggtgtcatt	4140
tttgatgcct	ttgctaacac	acaccttttt	ttgttttttt	ttgagacaga	gttttgctct	4200
gtctcccagg	ctagagtga	gtggtgtgat	ttcggtctac	tgcaacctcc	acttccctggg	4260
ttcaagtgat	tctactgcct	cagtctccca	agtagctggg	actacaggca	cgtgccacca	4320
cgctgggcta	atlttttgcat	tttttagtaga	gatgggggtt	cgccatgttg	gccaggctga	4380
tctcgaactc	ctgacctcaa	gttatctgcc	cacctcagcc	tcccaaactg	ctgggattac	4440
agggtgaagc	caccacaccc	ggcccacaca	tgtatltttta	tctactcagt	atlttaattaa	4500
aaattaccac	tcaagcactt	aggagtgtgat	aaagaaaaaa	aattaaatat	atataaaaaa	4560
ttgctagctg	catcagcctg	tttatgggtg	ctgattltttt	tttcaagagt	tggtgatttt	4620
ggaggaaata	gttaacaaca	tcaggggcag	cctttgaaac	tgactgctgt	ctttcaaaat	4680
gccgtcttcc	tcaatatttg	agaagattcc	agtgtggcct	ttaaggcaac	tggtgtaattc	4740

cccttctctc	gctaattggg	gttactctag	gagcccttct	acttgggaat	tgcaagattg	4800
tagaagcaca	actcttttgg	tatatgtgac	tagttataat	agtgagtaga	tttcttttgt	4860
attcctatatt	ttcttccctta	ttaatgtatc	ttgttctcca	ttttttcttt	tagacagaag	4920
atatgtttgt	ggatcatcta	taaaggccgt	tttggggaag	tcctcattga	cacacatctc	4980
ttcaagcctt	gctgcagcaa	taagaaagca	gctgctgaga	agccagagga	gcaggggcca	5040
gagcctctgc	ccatctccac	tcaggagtgg	tgactgaggt	ttttatgtag	aaggggaaca	5100
aaaaaaaaaa	tatctgaatt	ttgaaaaacc	acaaagctac	aaactgaccc	tctttttttt	5160
ttgagacgga	gtaatgctct	tgttaccacc	gctggagtgc	agtggcggtga	tcttggctca	5220
ctgcaacttc	cgtctcccgg	gttcaagtga	ttctctgcc	tcagcctccc	aagtagctgg	5280
gtttataggt	gcccgccacc	agaccgggct	aatttttttag	ttttagtaga	gacgggggtt	5340
caccacgttg	gccaggctgg	tcttaaataga	ccctcttatt	tttaacttgg	atacctgcta	5400
ttctgccaaa	agacaatttc	tagagttagt	ttgaatgggt	tgatttcccc	cactcccaca	5460
aactctgaag	ccagtgtcta	gcttactaaa	aaaagagtgt	tatataatat	ttaagatgct	5520
gagtatttca	taggaaagct	gaatgctgct	gtaaagtgc	ctttaagtct	tttttttttt	5580
taatccccct	ctaataaatg	aaactagggg	aatttcaggg	gacagagatg	ggatttgttg	5640
tatgataaac	tgtagtagt	ttttagtctt	tctgttttga	gaagcagtgg	ttggggcatt	5700
tttaagatgg	ctggctactc	ttgttttccc	tcagtataat	aaatttgc	taactcagta	5760
acatgaactt	gcccctagag	gtagttgtta	ataattttga	aatattaagg	tcttgccaag	5820
cttctgatga	ttcacacctg	tactactgat	tattaagcag	gacagactga	gctttctggt	5880
gcaaatacct	tgaggagaga	agtaatttct	aaatatacag	agaggtaact	tgactatata	5940
tggtgcatcc	tggtgcctccc	ttcatattaa	tatttgataa	agattttaat	ttatgtaaaa	6000
cttctaaagc	agaatcaaag	ctcctcttgg	ggaaatggca	agtcttttagg	ataggcaaga	6060
ccctgtatga	atagtaccaa	agcattaccg	catggtagag	aacacactcg	attaaaaatg	6120
ttaaagctatc	tgaaaaataa	aatgtgcaag	tcttcaggat	ggcacaaaac	aaagggtta	6180
gcttcttggg	gcacatttct	tagagggtct	gctgagtgtg	taaaataaat	cgacttttgt	6240
ttgtgttaca	tgacttctgt	gacttcattg	aaaatctgca	caattcagtt	tcagctctgg	6300
attacttcag	ttgacctttg	tgaaggtttt	tatctgtgta	gaatgggtgt	ttgacttgtt	6360
ttagcctatt	aaatttttat	tttctttcac	tctgtattaa	aagtaaaact	tactaaaaga	6420
aaagaggttt	gtgttcacat	taaatgggtt	tggtttggct	tcttttagtc	aggctttctg	6480
aacattgaga	tatcctgaac	ttagagctct	tcaatcctaa	gattttcatg	aaaagcctct	6540
cacttgaacc	caaaccagag	tactcttact	gcctcttttc	taaatgttca	ggaaaagcat	6600
tgccagttca	gtcttttcaa	aatgagggag	aaacatttgc	ctgccttgta	ataacaagac	6660
tcagtgccta	ttttttaaac	tgcatcttaa	aaattggata	gtataataac	aataaggagt	6720
aagccacctt	ttataggcac	cctgtagtct	tatagtctct	aatctaaaca	ttttatattt	6780
ccttcttttg	gaaaaaacct	acatgctaca	agccaccata	tgacagagact	atacagttag	6840
ttgagttggc	tctcccacag	tctttgaggt	gaattacaaa	agtccagcca	ttatcatcct	6900
cctgagttat	ttgaaatgat	tttttttgta	cattttggct	gcagtattgg	tggtagaata	6960
tactataata	tggtatcatct	ctacttctgt	atttatttat	ttattactag	acctcaacca	7020
cagtcttctt	tttccccttc	cacctctctt	tgctgttagg	atgtactgta	tgtagtcatg	7080
cactttgtat	taatatatta	gaaatctaca	gatctgtttt	gtacttttta	tactgttggg	7140
tacttataat	caaaactttt	actagggtat	tgaataaaac	tagtcttact	agaaaataaa	7200
aggagctgtt	ttgtggcttt	gtttgacagg	tcttcagtaa	gaataatgtt	tttggctttc	7260
acataacttc	agtttaagtg	cttagtatta	ataacaagcc	atgaaggga	ttaaattcctc	7320
ttcactgaga	catagacttt	ggaataaaaag	acatttttaac	tgatgtgcac	aattattaat	7380
ctagtggata	agatggattt	aaaaggaaga	acaaaatgtt	cccagtactt	tttactgtct	7440
gtgggttttat	tactatctat	gggcatagtg	ggaagcatca	ttgagacttt	agggaaacta	7500
taaaagttgg	aagggtgggtg	gcatcagggg	ttggatgctg	gttctcaagt	tcctagctct	7560
gcccccttgg	agtcatttga	gttaaataat	taatgggaat	atctacttca	caggattatg	7620
aggaatcccta	agagggtgtaa	tccatatcaa	acttttagaa	accagttgtt	ttattacctg	7680
ggaaaggtaa	taaaggggcca	gactttttat	actactgtta	gtatttaaat	ttgggatagt	7740
ctggatgcca	cctaatacag	ttactatgaa	attaacaagg	taactaagga	agttgatagt	7800
accagtatta	tctatttgcta	tgtcctaaat	taccatagat	ttagtggctt	aaaacaaatg	7860
cgtctcagtt	tctgtctgag	catgggttag	ataggtcctt	tagaaagctc	atgggtctcat	7920
ctgcattctc	acctgggtgat	ttgggaagaa	ctcatttcag	cctcactcgg	ctggcagaat	7980
tcagttcttg	ccactgcagg	actgagtgtc	cagacctctc	actgggtgtc	agctggaggc	8040
ccccgcttag	ttccttgcca	gctgggtgct	ccctgcatgg	cctggctgct	gactggacca	8100
ctgacatgat	tactgtcact	accagcaagt	gtcagagacc	aagctgccag	caagaggggt	8160
cttttcaggt	cctgcccata	tccaagggga	gaggtctata	cgaaggattg	gataccaaga	8220
ggtgcgggtg	gggctaattg	gaaggcacct	agagtttgtc	acagcttttt	ttttttttta	8280
ctgaatctct	ttaaattgggt	cgtctcgccc	tacaatgcaa	atgctttgtg	tagcaagtaa	8340
aaagaaaaat	ggctctcaca	atatgaaaaa	ccctggctgg	gcactgtggc	ttatataaac	8400

[illegible]

```
<400> 9359
attacaggca tgtgccacca tgcttggtta atttttgtat tttttggtag agacagggtt    60
tcgccatgtt tgccaggctg gtctcgaact cctgacctca agtgatctgc    110
```

<400>	9360					
tttttttttt	ttttcagaca	gagtcttgct	cttgttaccc	aggctggagt	gcaatggcgt	60
gatctcggct	cactgcaacc	tccgcctcct	gggttcaagc	gacccctctg	cctcagcctc	120
ccgagtagct	gggattacag	gcgcctgcc	ccacgccccag			160

```

<400> 9361
tttttttttt ttttcagaca gagtcttgct cttgttaccc aggcgtggagt gcaatggcgt      60
gatctcggct cactgcaacc tcgcctcct gggttcaagc gatcctcctg cctcagcctc      120
ccgagtagct gggattacag gcgcctgcc aacgcgccag                                     160

```

<400>	9362					
ttttgaagcc	cttgaaatga	agtttaggga	ccactgatct	agaattctct	ttatgctcct	60
ccactaccca	ttaacccac	tctatagtct	gccttttcgc	tttcttctct	cctcccttct	120
aaacacttcg	tagaacacta	tgttttctgt	tcatgattga	ccttcaaatt	gccaaatcct	180
ttggccttat	aaaccgatg	tacttaacca	acactctggt	gttaacaaat	ccttcaaaac	240
tgtttttctt	tgcttcgcgt	ctgttttttc	tgtcatecca	ttatcacttt	tcttcatatg	300
ttttctttct	tttgttccca	gttggttatta	tgtgggggtc	tggtttctatt	ttatggttctc	360
actgtatat	cagaatcaga	tttttagcta	ccatgtacca	tcttaataat	acctagcatt	420
tattttactct	ttcctaattg	ttatttcagt	gcttcagtat	tctcagtattc	atttaattca	480
ttcagtatct	atttaaactct	caaaacaact	cagtgagggt	gatacaggta	taattgggtgt	540
cttttttttc	ttttttctga	cactggcata	tcgaggccca	aagggttaagt	aatctatgca	600
actaggaggc	agtagaactg	ggatttaaac	ttagactgcc	tgtagaggcc	atgttcttaa	660
ccactactag	attttttggcg	tccagatgtc	ccttgatatt	ctaacttcgc	tttagttttt	720
ctacctccca	ttcaatacat	ccattcagtt	aatctcaagt	gcctgcctct	ttcccttgac	780
aaaacacact	tgctcattct	ttattccttg	ccacattaaa	gttaacacta	tcctccccat	840
cgctagtact	atagagggtca	ttgaaccttc	ccctgcgta	tggcctgtga	gttttatatga	900
ttccagcatg	attatttgggt	gatatttgag	tgcgattttg	tgctagatcc	tggtgtgtata	960

atgatgtatg	agacacagac	tttgtcctca	gggagcttat	actctagaaa	taattttttt	1020
ttttttcaag	agagcgtcct	actctgtttg	cgaggctgga	gtgcagtggg	gccaacatgg	1080
cttactgtag	cctcaggctc	ccgagctcaa	ctgatcctcc	tgctgcagcc	tcccagagtag	1140
gtgggactac	agacatggac	tatcacacca	agctgttttt	attttttagtt	caggtggggt	1200
ctcagtttgt	tgcccaggct	ggtcttgaac	tcttgggctc	aaatgattct	cccacctcat	1260
cctcccaaag	tccaagtatt	gggattacag	gcatgagcca	tcatgcctgg	ccaataaaat	1320
gttacaacaa	attagcagaa	tgctgagaga	ataaatgggtg	ataggaaacc	tgtatatgta	1380
atggagtttc	agataataacc	taatattttat	tgagcacttt	cttttttttt	tttttagagac	1440
agtttttact	ctgtcactca	ggctggagta	cagtgggtgct	atctcaactc	actgcaacct	1500
ccacttctctg	ggttcaggca	gttctcatgc	ctcagtcctc	tgagtagctg	gaattacaag	1560
cacccaccaa	cacgcccagc	taattttttgt	attttttgta	gagatggagt	ttcaccatgt	1620
tggccaggct	ggtcttgaac	tcctgacctc	aagtaatccg	cctgccttgg	cctcccaaag	1680
tgctaggatt	acaggcatga	gccactgcgc	ctgacctatt	gaacactttc	tatatgggtg	1740
acattatttt	tggttcttca	gtacatttta	ttctcataaa	gttcctaaat	gtatacttct	1800
agatctgaag	tatcggaat	acctaattgt	acaaagaaca	tgccagttgg	aagctacagc	1860
atttagcaga	agttctaaag	taggaaagag	cttcatttaa	actgtgaact	ggccaggtgt	1920
ggtgtctcac	gcttgtaatc	ccagcacttt	gggaggttga	aatgggagga	tcacttgagc	1980
ccaggagtgtg	gagaccagcc	tgggcaacag	tgagaccctg	tatctaaaaa	agaaaaaaaa	2040
aaaaaaaaa	aat					2053

<210> 9363  
 <211> 2052  
 <212> DNA  
 <213> Homo sapiens

<400> 9363						
ttttgaagcc	cttgaaatga	agtttaggga	ccactgatct	agaattctct	ttatgctcct	60
ccactacca	ttaacccac	tctgtagtct	gccttttcgc	tttcttctct	cctcccttct	120
aaacacttcg	tagaacacta	tgttttctgt	tcatgattga	ccttcaaatt	gccaaatcct	180
ttggccttat	aaaccgtatg	tacttaacca	acactctgtt	gttaacaaat	ccttcaaaac	240
tgttttcttt	tgcttccgct	ctggtttttcc	tgctatccac	ttatcacttt	tcttcatatg	300
ttttctttct	tttgttccca	gttgttatta	tgtggggttc	tggttctatt	ttatgttctc	360
actgtatatt	cagaatcaga	tttttagcta	ccatgtacca	tcttaataat	acctagcatt	420
tatttactct	ttcctaattg	ttatttcagt	gcttcagtat	ttcagtatcc	atttaattca	480
ttcagtatcc	atttaattct	caaaacaact	cagtgaggtt	gatacaggta	taattgggtg	540
ctttttttta	ttttttctga	cactggcata	tcgaggccca	aagggttaagt	aatctatgca	600
actaggaggc	agtagaactg	ggattttaa	ttagactgcc	tgtagaggcc	atgttcttaa	660
ccactactag	atttttggcg	tccagatgtc	ccttgtattt	ctaacttccg	tttagttttt	720
ctacctcaaa	ttcaatacat	ccattcagtt	aatctcaagt	gcctgcctct	ttcccttgac	780
aaaacacact	tgctcattct	ttattccttg	ccacattaaa	gttaacacta	tcctccccat	840
cgctagtact	atagaggcca	ttgaaccttc	ccctgcgcta	tggcctgtga	gtttttatga	900
ttccagcatg	attatttggt	gatatttgag	tgcgattttg	tgctagatcc	tgggtgtata	960
atgatgtatg	agacacagac	tttgtcctca	gggagcttat	actctagaaa	taattttttt	1020
ttttttcaag	agagcgtcct	actctgtttg	cgaggctgga	gtgcagtggg	gccaacatgg	1080
cttactgtag	cctcaggctc	ccgagctcaa	ctgatcctcc	tgctgcagcc	tcccagagtag	1140
gtgggactac	agacatggac	tatcacacca	agctgttttt	attttttagtt	caggtggggt	1200
ctcagtttgt	tgcccaggct	ggtcttgaac	tcttgggctc	aaatgattct	cccacctcat	1260
cctcccaaag	tccaagtatt	gggattacag	gcatgagcca	tcatgcctgg	ccaataaaat	1320
gttacaacaa	attagcagaa	tgctgagaga	ataaatgggtg	ataggaaacc	tgtatatgta	1380
atggagtttc	agataataacc	taatattttat	tgagcacttt	cttttttttt	tttttagagac	1440
agttttcgtc	ctgtcactca	ggctggagta	cagtgggtgct	atctcaactc	actgcaacct	1500
ccacttctctg	ggttcaggca	gttctcatgc	ctcagtcctc	tgagtagctg	gaattacaag	1560
cacccaccaa	cacgcccagc	taattttttgt	attttttgta	gagatggagt	ttcaccatgt	1620
tggccaggct	ggtcttgaac	tcctgacctc	aagtaatccg	cctgccttgg	cctcccaaag	1680
tgctaggatt	acaggcatga	gccactgcgc	ctgacctatt	gaacactttc	tatatgggtg	1740
acattatttt	tggttcttca	gtacatttta	ttctcataaa	gttcctaaat	gtatacttct	1800
agatctgaag	tatcggaat	acctaattgt	acaaagaaca	tgccagttgg	aagctacagc	1860
atttagcaga	agttctaaag	taggaaagag	cttcatttaa	actgtgaact	ggccaggtgt	1920
ggtgtctcac	gcttgtaatc	ccagcgcttt	gggaggttga	aatgggagga	tcacttgagc	1980
ccaggagtgtg	gagaccagcc	tgggcaacag	tgagaccctg	tatctaaaaa	agaaaaaaaa	2040

aaaaaagaaa at

2052

<210> 9364  
<211> 266  
<212> DNA  
<213> Homo sapiens

<400> 9364  
ctgtcgccca ggctggagtg cagtggcacc atcttggctc actgcaagct ctgcctccca 60  
ggttcacgcc attctcctgc ctcagcctcc ccagtagctg ggactacagg tgcctgccac 120  
cacgccagc taattttttt gtatttttag tagaaatggg gtttcaccgt gttagccagg 180  
atggctctga tctcctgacc tcgtgatctg cacaccttgg cctcccaaag tgctgggatt 240  
acaggcgtga accaccgcgc ccggcc 266

<210> 9365  
<211> 191  
<212> DNA  
<213> Homo sapiens

<400> 9365  
agcaccatgg ccctcatctt cgcattttac gctttttttg caagtttatc aacaagctca 60  
attaaaccac caactgtttt ctgaaactgg ccagttttgt ccgcaaagtt cttgcactct 120  
tctttgagct ctgtggtctg ctgggtaacc tctgagtcca acaccacag cttgttcaac 180  
tcatcaaagt g 191

<210> 9366  
<211> 191  
<212> DNA  
<213> Homo sapiens

<400> 9366  
agcaccatgg ccctcatctt cgcattttac gctttttttg caagtttatc aacaagctca 60  
attaaaccac caactgtttt ctgaaactgg ccagttttgt ccgcaaagtt cttgcactct 120  
tctttgagct ctgtggtctg ctgggtaacc tctgagtcca acaccacag cttgttcaac 180  
tcatcaaagt g 191

<210> 9367  
<211> 155  
<212> DNA  
<213> Homo sapiens

<400> 9367  
cctcccaggt tcacggcatt ctctgcctc agcctcccca gtagctggga ctacaggtgc 60  
ctgccaccac gccagctaa tttttttgta ttttagtag aaatgggggt tcaccgtgtt 120  
agccaggatg gtcttgatct cctgacctcg tgate 155

<210> 9368  
<211> 766  
<212> DNA  
<213> Homo sapiens

<400> 9368  
cagaagtatt aacttgttca aatcgtacaa ccaaggctca agtccatgat tgcccaactc 60  
caaagcccat gttcttttcta ccttattatg ttggcattgt tttcaatgtc agtttggacc 120  
catataaaaa cgcccagctg taccctatga ggaggatata aaaatgtgag atggtagttg 180  
aactcggag gacattcata tctccaaacc caaccttatg aagttggcca cagcaagcat 240



gttggaact	agaaccaggg	gtttcatatc	aagccatttg	cttaggtctg	tatctcaaaa	300
gctttaaata	caactttttt	tggtgccctc	ttgataagga	gtcttatact	gagctcttct	360
tctcttttat	agctgggtcca	tcagaaagat	taaattaaac	gtttggccac	atggacagtt	420
aatccttaga	tcacccagtt	ggatggttca	ttcctgctat	gtttggtttg	attttttatt	480
tttggaac	aaatagttag	tcagtctgct	ttccctccct	ttctctgcct	caccactcct	540
tctggattct	cttagatgct	ctggtcatac	taggtaaaca	gtatttttct	taaaattttc	600
cttgagccat	gacagaatca	tgagagagct	cccctggctc	tgatacttaa	tgccccctc	660
taaaaagaaa	ggtctatttg	aggctattca	cttttgtcat	cttgaaagag	tctctgagtc	720
ttacctagca	ggaatatatt	gtttcttttc	ctaaaaaaa	aaaaaa		766

<210> 9369  
 <211> 6114  
 <212> DNA  
 <213> Homo sapiens

<400> 9369	ccacatctta	tctaaatata	taatacagaa	gcctgtgtga	cttgggcaat	gtggccagga	60
	gggcacagag	actaacacat	ccacctcggc	aaaaggacat	aaaatatgtc	ttatggtcag	120
	aaaaatcaac	attttgtgta	tttacttagt	ttatgagaag	tactgaaaat	gctattataa	180
	gctgaatttg	tgatttcctt	ttgaaattct	gagttatcct	tatttttccc	attttgtttt	240
	tgcaccaagg	agactgtagt	caaataaaac	agaactacac	gcactcgtcg	gggcagccgt	300
	actgcagaag	cacgttgatg	cactcctggc	tggaggcctg	ccgggcgtag	gtcagcgtg	360
	tgttcccgtg	ggcatctcgg	gccatgacgt	ccaccccgtg	ccagatcagg	agctgcgcca	420
	ggaccacatt	ccccttgccg	caggccagat	ggagcgcctg	gcagccgtct	ccctcccac	480
	aggtctcggt	cacctcctca	cgggagccat	gtgccagcag	caggatggct	gtctgcaggt	540
	cctcatcagc	ggtggcccg	agcagctgct	ggcccaggga	cagatcagtg	cagggtagtg	600
	gggccagaaa	gagcttctcc	tcataatttg	aaaggatcca	ccgttccctt	tcttccctcg	660
	tggacttttc	tgagggtttt	gtctgtccct	ggctgtctcc	ttcccagatg	ctgttggtta	720
	ggtcattgcc	aatagatgac	ataaccttcc	tgagctcaac	tggccagtca	tccagctcca	780
	gagatcgcac	acgggaaagg	cgggtgccaa	gactgcggtg	gatacctgag	cattcaatac	840
	acatgaggac	tcccaagttc	aaactggccc	acttaggatt	ctgggtctca	cagtcacac	900
	agtgggcgtt	cccacgcatt	ttttggatcg	actgcagggc	catggcctcg	ctctggctgg	960
	tcagctggga	cttgctttta	ctgctctcgc	atgactgcag	gctggccagg	atctggctct	1020
	ggatggcttg	gacccaggca	tcccgcctct	catatgtcgt	ggcttcaaag	tgccacgttt	1080
	ggccagtggc	agacacaatc	ataaagttgt	tgggtgcttt	cttctttagg	tgtttctttt	1140
	tattggcatg	aggagagggg	ggcgggttga	gcttggggcc	ggtggtgctg	gagatactgg	1200
	ggctgaagca	tatggagtca	cccagcccgg	tgtccatgtc	cttggatagg	tcattgcttt	1260
	tagagctgga	gatgggtgcg	caggcccgatg	tggctaggga	tggccacttt	cctgggactt	1320
	tgatggtaga	tgtctgaagg	tcaatctctt	ttttatgaat	attcttcata	taatcaccta	1380
	agcttggaata	ataggtgagc	acgccatttg	aacacagggt	gacgtatttc	tttttccatg	1440
	tcttcagcca	tttcccactt	cgctttaaga	gcactgccctg	tttaatgggg	atggctctgc	1500
	cgctcccgat	ggtgtcagca	tgattctccg	gggctttcct	ctctttgtct	gggtcactcc	1560
	ctttctcaga	tgtaaacagg	ttggaccagc	gcatggaccg	cttgcaaacg	ggggtgggtg	1620
	tgttggcagt	gggaggaaca	ctgaactgag	ggtcctcctg	gctgggtgctg	ggagtcgatg	1680
	gaatggagga	ggaatagtta	tttaactcc	cacctccatt	tctgttcttc	gtaatgtgca	1740
	cgggtgaaac	ctgtgtggaa	cagaaggagg	aatggcttca	aaaattgggt	agtggcttgc	1800
	agggctctat	agacagctca	caattacctt	ttaaaaagat	acattttctg	ggccaggcat	1860
	ggtggctcac	acctgtaate	acagcacttt	gggaggccaa	cgtgggtgga	tcacgaggtc	1920
	aggagttaa	gaccatcctg	gccaacattg	tgaacccttg	tctttacaaa	aaaaaaaaaa	1980
	gaaaaaaaaa	ttagctgggc	atggtggcac	atgcctgtaa	ttccagttac	tcaagaggtc	2040
	gaggcaggag	aattgcttga	acagggacct	gggaggcaga	gcctgcagtg	agccaagatc	2100
	gcgcgattgc	actccagcct	gggctacaga	aagagagtc	ataaaaaaaaa	aaaaaaaaaa	2160
	aaaaaaagat	acattttctg	ttgtttggat	agaatattta	ctcatactag	ctcactaact	2220
	aaacagagct	gcagatcagt	tcttactcca	gcacattctt	tttacaacac	ttaagatgac	2280
	taaatgcaac	atgaaatggg	gaagatttaa	aaaaagatgg	ctttgacttc	agcatgaaac	2340
	agatacaagt	gtacgatgaa	aatacaacct	caataaaaagt	gccacttacc	gcaaatgagt	2400
	gtaactgttc	atcaggtatg	ctcaaagatc	tatctgcac	tctataaaaat	aagaaagcgc	2460
	gttacttcaa	aaactgttaa	tatcttagta	taatatattgt	ttagtaaaaat	actgcctcct	2520
	gtgtgctttg	gtgtttacca	aagcagtttt	tacgaattct	tctcctggat	cctgacttgc	2580
	agagggtttc	ctgacttctt	ctttctcagc	acatcatggc	ctgtaccgtg	aagtctttta	2640

tatgataacc	agtcagaaat	gcccgtgagt	attgactctc	cctaacaggc	catggcaata	2700
aaccaaacat	attttctactc	ttctaaccac	acattgaaac	acaagaatgt	tctacaaagc	2760
agtagtagta	aactttaata	aatgtaaagt	tgattcagat	ttcctagctt	cctttctctt	2820
tagttctctg	tagtatactc	tcatgatgta	tttatgtact	ttctgttggt	tgaatgacaa	2880
actcatctgc	ctttttaaga	cgccagtctt	tgatgaactt	taaactttgt	aaaactaatg	2940
cattgtgcct	gtgtataaac	cagtggttct	ccaaagtgtc	tgtgtggacc	tctcgggac	3000
ccgaagacc	cttcagaaag	gcctaagagg	tcataactgt	tctttttttt	tttttttttt	3060
gagaccaagt	tttactcttg	ttgcccaggc	tggagtgcac	tgggtgtgatc	tcgggtcctg	3120
gcaaccttcg	cctcccaggt	tcaagtgatt	ctcctacccc	agcctcccaa	gtagcaggga	3180
ttacaggcac	ctgccaccac	tcctggctaa	gttttgtatt	tttagtagag	atgtgggttc	3240
accatgttgg	ccaggctggg	cttgaactcc	taacctcagg	tgatccgctt	gcctcggcct	3300
cccaaagtgc	tgggattaca	ggcctgagcc	actgtgcctg	gccaacactg	ttctgaatca	3360
tactaattaa	acctgagaaa	gctgatgaaa	aatttttaaaa	atttgtgaaa	gtaatacaaaa	3420
gccattgcct	gctctttcgt	tgacacttgc	catgattata	taaaagcaaa	agtgggtaca	3480
atggctgggt	tctcagcata	aatcaaggca	gtggtacca	ttacattagt	agtcattcta	3540
ttcttctactg	tcccctacag	gtaaaaaaca	tagcctgaat	ttcttaagaa	tgtctttgat	3600
gaagcagtaa	aaattaatgt	gtttaaatct	tgacatgtct	ctaataattct	gaataagtg	3660
aaagttaacc	agaagcgctt	ttttttttgt	ttttaagaa	tccgtgattt	aactatgaac	3720
tgaaaaatca	ctttttttcac	agaacatcat	ttttatttaa	aagtacaact	gggccagcgc	3780
agtggctcac	gcctgtaaaa	tcccagcact	ttgagagacc	aaagcaggca	gatggcttga	3840
gctccttcag	gagttcgaga	ccagcctagg	caacataacg	aaaccctgtc	actgtcaaac	3900
atataagaaa	attagcctgg	cgtgggtgcca	cacatctgtg	gtgccagcta	caaaggagcc	3960
tgagggtgaga	ggattgcttg	agctgagatc	atgccaatgc	actccagcca	agtgcagag	4020
tgaaactcgg	tctaaaaaac	cagttcaact	atcattctca	aaaataaatg	aagtgcagag	4080
ttgtcacttc	aaggggaaata	cgtattttgtt	cccaatgata	aaatttaagc	tttctgtgtg	4140
actttgaaaa	acttgttcct	tctactgtag	gcttggcagc	tattcaatac	ttaaaggcgt	4200
gttaaagtaa	gattgggtgg	taaactaaaa	gtgattttttg	acacaataaa	acataaaccg	4260
atatattcca	agtaactaat	gcatgatatt	ataaatgcaa	gtatggagca	aaagatccat	4320
ttactgtgga	agaaagatca	atgagtactg	atggaataaa	tttattaata	tgtaaaatgc	4380
caccgtaact	aatttaagaa	accaccactt	gtgaagtttt	gatttagtgt	taacaaatac	4440
ccacaactgt	ctgaaaagtt	taaaaataca	ccttctacca	actacatatt	tgcatgaggt	4500
tcggctcatc	tattgcttct	ttttttcttt	ttttgagaca	gagtctctct	ctgtcaccca	4560
ggctgggggtg	caatggcgag	atctcggctc	actgcaacct	ccacctccca	ggctcaagcg	4620
attctcctgc	ctcagcctcc	caagtaactg	ggactacagg	catgcaccac	cacgcccagc	4680
cattttttgt	actttcagta	gaggcggtt	ttaccatgtt	ggtcgggctg	gtctcaaact	4740
cctgacctca	agtgatccac	ccacctcggc	ctcccaaaat	gctgggatta	cagggtgtgaa	4800
ccactgcgcc	ccaccagctt	attgcttttt	ttgtttgttt	gtttaggcag	agtcttgctc	4860
tgtcacccag	gctgcagtgc	aatagcacca	tctcagctct	ctgcaacctc	cgctcccaa	4920
gttcaagcgg	ttctcctgcc	tcagcctcca	gaatagggtg	gactacaggt	gtgtgccatc	4980
atgccagccc	aagtttttgt	atttttagta	gagacggggt	ttcgctgtgt	tagccaggat	5040
ggctctcgatc	tccctgacct	gtgatccgcc	cgctcagccc	tcccaaagtg	ctgggattac	5100
aggcgtgaga	caccgtgccc	aacctcttat	tgctgcttta	aagcaaattg	caaagaaagc	5160
tctagagaa	ccatttgtct	cctattaagc	tcaacatgag	agacttttaa	taataataat	5220
acatgacgca	ctttttactc	aactttttgt	tgtagaaaag	ttatttttca	atgaaaaaat	5280
tctgttaaca	atactgttct	caaggaatat	tttctgttgt	tataacctgg	gtcatgggtt	5340
actactgata	tctagttggg	agaggccatg	aatactgcta	aactctctgc	aatgcacaag	5400
acagtctctca	caacaaagca	ttatctagcc	cataatatca	acagtggtaa	ggctgtgaaa	5460
tctaaactaa	aaatagattt	tgaaaaaatt	tcaattgtat	aattctacca	cactaaatat	5520
caatataatc	aatataaaca	catactcttt	gagattctca	atcattttaag	aattatgaga	5580
gtcttaagga	acaaagaaaa	tacaaataat	ttgcttcaat	atttttagtag	gcacaataca	5640
gcttatgatg	tgccctaacac	tgagcttgat	atcttgcaaa	gtacttagct	agaataacaa	5700
gacagggtttc	taaaaagctc	accttttgtgt	gatatgatga	ggtatctcca	aggtcacact	5760
gtggaaggaa	aaaaaattca	taacaataga	tgttaacatt	tgttaggcct	gaagacattt	5820
tttaaaaggg	gggcagagga	aactctccta	gtggccctga	aattcaaata	ttctagttca	5880
gaacagtacc	ataagggcac	tttgttttca	tttcttttgt	ttttacaaaa	atatgagaac	5940
caaatgcaa	ggaaatatgc	cgttagaaga	cgcgtttctg	ttggtgatta	caatatataa	6000
ataataacag	atttctttgt	tacatgcttt	tctacccacg	aaacctttcg	tcccatgcga	6060
tttattttat	gtattttattt	attttttgac	ccagagtctg	tctctcttgc	tcag	6114

<211> 9122  
 <212> DNA  
 <213> Homo sapiens

<400> 9370

tgtacaaaaa	tcaatgcata	tttatgaact	tttttttcaa	atatattttc	acacatttta	60
tctaaatata	taatacagaa	gcctgtgtga	cttgggcaat	gtggccagga	gggcctgaga	120
ctaacacatc	caccttggca	aaaggacata	aaatatgtct	tatggtcaga	aaaatcaaca	180
ttttgtgtat	ttacttagtt	tatgaaaagt	actgaaaatg	ctattactag	ctgaatttgt	240
gatttccttt	tgaaattctg	agttatcctt	atttttccca	ttttgttttt	gcaccaagga	300
gactgcagtc	aaataaaaaca	gatactacac	gcactcgtcg	gggcagccgt	actgcagaag	360
cacgttgatg	cactcctggc	tggaggcctg	ccgggcgtag	gtcagcgctg	tgttcccgtg	420
ggcatctcgg	gccatgacgt	ccaccccgt	ccagatcagg	agctgtgcca	ggaccacatt	480
ccccttgccg	caggccagat	ggagcgcctg	gcagccgtct	ccctccccac	aggtctcgtt	540
cacctctctc	cgggagccat	gtgccagcag	caggatggct	gtctgcaggt	cctcatcagc	600
ggtggccccg	agcaggtgct	ggcccaggga	cagctcagtg	cagggtagtg	gggccagaaa	660
gagcttcttc	tcataatttg	aacggatcca	ccgttccttc	tcttccctcg	tggactttac	720
tgagggtttt	gtctgcccct	ggctgctccc	ttcccagatg	ctgttggtta	ggtcattgcc	780
aatagatgac	ataaccttcc	tgagctcaac	tggccagtca	tccagctcca	gagatcgcac	840
acgggaaagg	cgggtgccaa	gactgcggtg	gattcctgag	cattcaatac	acatgaggac	900
tcccaagttc	aaactggccc	acttaggatt	ctgggtctca	tagtccacac	agtgggcgtt	960
cccacgcata	ttttggatcg	actgcagggc	catggcctcg	ctctggctgg	tcagctggga	1020
cttgctttta	ctgctctcgc	atgactgcag	gctggccagg	atctggctct	ggatggcttg	1080
gaccaggcca	tcccgcctct	catacgtcgt	ggcttcaaag	tgccatgttt	ggccagtggc	1140
agacacaatc	ataaagttgt	tggtgtgttt	cttcttttag	tgtttctttt	tattggcatg	1200
aggagagggg	ggcgggttga	gcttggggct	ggtggtgctg	gagatactgg	ggctgaagca	1260
tatggagtca	cccagcccgg	tgtccatgtc	cttggatagg	ccattgcttt	tagagctgga	1320
gatgggtgca	caggccgatg	tggctaggga	tggccacttt	cctgggactt	tgatggtaga	1380
tgtccgaagg	tcaatctctt	ttttatgaat	attcttcata	taatcaccta	agcttgaata	1440
ataggtgagc	acgccattgg	aacacagggt	gacgtatttc	tttttccatg	tcttcagcca	1500
tttcccactt	cgctttaaga	gcatgccctg	tttaatgggg	atggctctgc	cgctcccgat	1560
ggtgtcagca	tgattctccg	gggttttctt	ctctttgtct	gggtgactcc	ctttctcaga	1620
tgtaaacagg	ttggaccagc	gcatggaccg	cttgcaaacg	gggtgagggt	tggtggcagt	1680
gggaggaaca	ctgaactgag	ggctcctcctg	gctggtgctg	ggagtcatg	gaatggagga	1740
ggaatagtta	tttaaaactcc	cacctccatt	tctgttcttc	gtaatgtgca	cgggtggaac	1800
ctgtgtggaa	cagaaggagg	aatggcttca	aaaattgggt	agtggcttgc	agggtcctat	1860
agacagctta	caattacctt	ttaaaaagat	acattttctg	ggccaggcat	ggtggctcac	1920
acctgtaatc	acagcacttt	gggaggccaa	ggtgggtgga	tcacgaggtc	aggagttaa	1980
gaccatcctg	gccaacatgg	tgaaccctg	tctttacaaa	aaaaaaaaaa	aaaagaaaag	2040
aaaaaagaaa	aaaaaattag	ctgggcatgg	tgtcacatgc	ctgtaattcc	agttactcgg	2100
gaggctgagg	caggagaatt	gcttgaacag	ggacctggga	ggcagagcct	gcagtgaagc	2160
aagatcgccg	gattgcactc	cagcctgggc	tacagaagaa	gagtccatca	aaaaaaaaaa	2220
aagatacatt	ttctgttgtt	tggatagtat	atttactcat	actagctcac	taactaaaca	2280
gagctgcaga	tcagttctta	ttccagcaca	ttctttttac	aacacttaag	atgactaaat	2340
gcaacatgaa	atggggaaga	tttaaaaaaa	gatggctttg	acttcagcat	gaaacagata	2400
caagtgtacg	atgaaaatag	aacctcaata	aaagtgccac	ttaccgcaa	tgagtgtaac	2460
tgttcatcag	gtatgctcaa	agatctatct	gcatctctat	aaaataagaa	agtgcattac	2520
ttcaaaaact	gttaatatct	tagtataata	tttggttagt	aaaatacttc	ctcctgtgtg	2580
ctttggtgtt	tactttacca	aagcagtttt	tacaaattct	tctcctggat	cctgacttgc	2640
agagggtttc	ctgacttctt	ctttctcagc	acatcatggc	ctgtaccgtg	aagcctttta	2700
tatgataacc	agtcagaaat	gccccgaat	attgactctc	cctaacaggc	catggcaata	2760
aaccaaacat	attttcactc	ttctaaccac	acattgaaac	acaagaatgt	tctacaaagc	2820
agtagtagta	aactttaata	aatgtaaatg	tgattcagat	ttcctagctt	cctttctctt	2880
tagttctctg	tagtatactc	tcattgatgtt	tttatgtatt	ttctgttgtc	tgaatgacaa	2940
actcatctgc	ctttttaaga	ggccagtctt	tgaggaaact	taaactttgt	aaaactaatg	3000
cattgtgcct	gtgtataaac	cagtgggtct	ccaaatgtgc	tctgtggacc	tctcgggac	3060
ccgaagaccc	cttcacagaag	gcctaagagg	tcataactgt	tctttttttt	tttttttttt	3120
ttttttttga	gaccaagttt	tactcttggt	gcccaggctg	gagtgcaatg	gtgtgatctc	3180
ggctcatggc	aaccttcgcc	tcccagggtt	aagtgattct	cctaccccag	cctcccaggt	3240
agcagggatt	acaggcacct	gccaccactc	ctggctaagt	tttgatattt	tagtagagat	3300
gtgggtttcac	catgttggcc	aggctgggtc	tgaactccta	acctcaggcg	atccacttgc	3360

ctcgccctcc	aaagtgcctg	gattacaggc	ctgagctact	gtgcctggcc	aacactgttc	3420
tgaatcatatc	taattaaacc	tgagaaagct	gatgaaaaat	tttaaaaaat	tgtgaaagta	3480
atacaaagtc	attgacctgt	ttttcggtga	cacttgccat	gattgtataa	aagcaaaagt	3540
aggtagaatg	gctgggtttc	cagcataaat	caaggcagtg	gtaccaatta	cattagtagt	3600
ccctttcact	gtcccttaca	ggtaaaaaac	atagcctgaa	tttcttaaga	acgtctttga	3660
tgaagcaata	aaaattaatg	ttgttaaate	ttgacatgtc	tctaataattc	tgaataagtg	3720
gaaagttaat	gagaagtgct	tttttttttg	tttttaaaga	atccgtgatt	taactgtgaa	3780
ctgaaaaatc	acttttttca	cagaacatca	tttttattta	aaagtacaac	tggggccagcg	3840
cagtggctca	cgctgtaaa	atcccagcac	tttgagagcg	caaaagcagc	agatggcctg	3900
agctccttca	ggagttcggg	accagcctag	gcaacgtaac	gaaactgtgt	ctctatcaaa	3960
catataagaa	aattagcctg	gcgtgggtgcc	acacatctgt	gggtcccagct	acacaggagc	4020
ctgaggtgag	aggattgctt	gagctgagat	catgccaatg	cactccagcc	aagtgcagag	4080
gtgaaactcg	gtctaaaaaa	ccagttcaac	tatcattctc	aaaaataaat	gaagtgcagag	4140
gttgctcact	caagggaat	acgtatttgt	tcccaatgat	aaaattttaag	ctttcctgtg	4200
gactttgaaa	aacttgttcc	ttctactgta	ggcttggcag	cttttcaata	cttaaaggcg	4260
tgttaaagta	agattggtgg	ttaaactaaa	agtgattttt	gacacaataa	aacataagcc	4320
aatatatattc	aagtaactaa	tgcattgat	tataaatgca	agtagggagc	aaaagatcca	4380
tttactgtgc	aagaaagatc	aatgagtact	gatggaataa	atttattaat	atgtaaaatg	4440
ccaccgtaac	taatttaaga	aaccaccact	tgtgaagttt	tgatttagtg	ttttaacaaa	4500
taccacacac	tgtctgaaaa	ctttaaaaat	acaccttcta	ccaactacat	atgtgcattga	4560
ggtaggtgca	tcttattgct	tctttttctc	tttttttgag	acagagtctc	tctctgtcac	4620
ccaggctggg	gtgcaatggc	gagactctcg	ctcactgcaa	cctccacctc	ccaggctcaa	4680
cgatttctcc	tgctccagcg	tcccaagtaa	ctgggactac	aggcatgcac	taccattgcc	4740
agccactttt	tgtactttca	gtagaggcgg	gttttaccat	gttggtcggg	ctgggtctcaa	4800
actcctgacc	tcaagtgtac	caccacacctc	agcctcccaa	aatgctggga	ttcacaggtgt	4860
gaaccactgc	gccccaccag	cttattgctt	tttttgtttg	tttgtttaga	cagagtcttg	4920
ctctgtcacc	caggctgcag	tgcaatggca	caatctcagc	tctctgcaac	ctccgcctcc	4980
caagttcaag	cggttctcct	gcctcagcct	ccagaatagg	tgggactaca	ggtgcgtgcc	5040
acctgcccc	gctaagtttt	tgtattttta	gtagagacgg	ggtttcgccc	tgtagccag	5100
aattggtctcg	atctcctgac	cttggtgactc	gcccgcctca	gcctcccaaa	gtgtggtgat	5160
tacaggcgtg	agccactgtg	cccagcctca	tattgcttct	tgaagcaaa	tgcaaaagaa	5220
agctctagag	aatccatttg	tctcctatta	agctcaacat	gagagacttt	aaataatata	5280
aacaaatgac	acacttttta	ctcaactttt	tgttgtagaa	aagttttttt	tcaatgaaaa	5340
acttctgtta	acaatactgt	tctcaaggaa	tattttctgt	ttttataacc	tgggtcatgg	5400
gttactactg	acatctagtt	ggtagaggcc	atgaatactg	ctaaactctc	tgcaatgcac	5460
aagacagctc	ttacacaaa	gcattatcta	gcccataata	tcaacagtgg	taaggctgtg	5520
aaatctaaac	taaaaataga	ttttgaaaaa	atttcaattg	tataattcta	ccacactaaa	5580
tatcaatata	tcaaatataa	gcataatact	tttgagattc	tcaatcattt	aagaattatg	5640
agagtcttaa	ggaacaaaag	aaatacaaat	aatttgcttc	gatattttag	taggcacaa	5700
acagcttatg	atgtctagag	ctgtgacctc	acactgagct	tgatatcttg	caaagtaatt	5760
agctagaata	acaagacagg	tttctaaaaa	gctcaccttt	gtgtgatatg	atgaggtatc	5820
tccaagggtca	cactgtggaa	ggaaaaaaa	ttcataacaa	tagatgttat	catttgttag	5880
gcctgaagac	attttttaaa	agggggggcag	aggaaactct	cctagcggcc	ctgaaattca	5940
aactctctag	ttcagaacag	taccataagg	gcacttttgt	ttcatttctt	tgttttttac	6000
aaaaatatga	gaaccaaaat	gcaaggaaat	atgccgttag	aagacgcgtt	tctgttggtg	6060
attacaatat	ataaataata	acagatttcc	ctgttatatg	cttttctacc	gatgaaacct	6120
ttcgtcccat	gcgatttatt	ttatgtattt	atttattttt	tgacctagag	tctgtctctc	6180
ttgctcagac	tggactgcag	tggtgccatc	ttgactcctc	acaacctcca	ccacctcaggt	6240
tcaagcgatt	ctcacgcctc	agcctcccaa	gaagctggga	ctacaagttt	gcgccactat	6300
gcccagataa	tttttttttg	gggggggtggg	tgggtggagt	ttcgctcttg	tgcccaggc	6360
tggagtgcga	tggtgtgatc	tcggctcacc	acaacctctg	cctcccgggt	tcaagagatt	6420
ctcctgcctc	agctctccaa	gtggctggga	ttacaggcat	gtaccaccac	gcccagctaa	6480
ttttgtagag	tgaggctcaa	aacaactgag	ggaaggtaaa	tctcaattct	actaataggt	6540
ctacacaata	ttagcacttt	ttaaaaagcc	tgtaacatta	gcatgtgaga	tggtatgtc	6600
tatagtgttt	caagtagttt	tcatctctga	aataatttta	aaatcacaga	atttaaagtt	6660
acatgctgga	aaggaccaat	gaccttatgt	gacatttaat	tcaacactcg	ttttacagat	6720
cagggaacaa	aaccttaaaa	ctgacttgcc	caaggtccca	ccaaatagga	gcagtttctc	6780
gtcctaaact	caaattaagc	agtggctctc	aaacttttgt	gcacattaaa	atcgctgag	6840
aagct						

aagatgcctc	acatccatcc	tgatttttctt	aaaaggcttc	tcagtgccta	cagatagagg	7080
gaaagtggag	atgggaagat	acatgtatatt	gcagacttgc	attttgaaaa	aaaccttgca	7140
taagtgatct	cagcgagtgc	cacctatccc	actgacaaca	gtgcactact	gattcatgat	7200
aaaacatttt	tcaaaatata	ttcttgaagc	caatttgccc	tattaatttg	ttcaataact	7260
ttatttcacc	aatagtgaat	acaccaaagt	attattttctc	aaacttgctg	gtggcaaatt	7320
aaaacttact	atactctcaa	aagtagactt	ctaaaaagta	gaataatgag	gaaaaaagca	7380
cgaatttagt	ttcagcaaaa	ttaatcttca	aagctgcttt	tgaattatat	gctaacttat	7440
caaaatcttt	ggaactcaga	agaagccagg	gactctagtc	aaagtaattt	tttgttatgt	7500
gtgctcaaag	atttaagaga	cttggctgac	tacagacatt	tagtgattac	tcaataggte	7560
ccaaagctca	ggacttgaga	cagagtttga	gtccagtttt	tgttcgaaac	acaatttcct	7620
ctcaactatt	gttaaaaggg	agggaggaaa	gtgacattat	tatgagtgtg	aacttgccac	7680
ttttaattga	agtaaaagtt	attgacaatt	gaattagcta	aaaaggctag	tgcatctgaa	7740
acaaaattgt	ttataagcta	gttatgttta	cagaatgaaa	agttaaatta	aagataaaga	7800
cattaatatt	ctaaattagg	actttccaaa	ctgtgttcta	aaaatcaaga	ctaataaccc	7860
aaggagatga	gaataatgta	cactggacgg	cccctgtgga	gctgggtggtg	gtgttggttg	7920
ttgttccttt	taaaataaac	ttcatctcag	ggtgctctca	aagcgcactc	ttgtggccca	7980
cgaggtgctc	atgcacaatg	ggagaaattc	aaatgcagat	acactgtggt	gccagaagaa	8040
gaaaagctgt	tccttcttcc	aaggataatg	tccaaagtag	tgcacactga	tttgggcta	8100
tgatgcattg	aaaaactaag	tttccacaaa	aaacattcaa	taaagggaac	ctatccttct	8160
cactgtgttc	aacattgtct	aaaggcataa	aggcatcaaa	aagatacact	gtttctgggt	8220
ttgcttcttt	gctaactgat	ttttccttcc	accacgacgt	ctaagattaa	aagagaaact	8280
gatacttaat	attgagaatc	tggatatcaa	tatatggttg	actccaattt	cttaagctga	8340
ttgctgaaga	ggacaaccaa	atggctgaaa	taatttccga	ataaaggaat	ctgtccctcg	8400
gcagcatagt	tgtactcacg	atattattgt	cattgtaaga	taatgctggc	tggctgtgct	8460
gtcatcaagg	aatatgttgc	aacacgagct	gtattgttga	ctgaaacgct	cagtagatac	8520
ctgaagggga	agggaagtgt	aagtcaaatt	tatcaaagtg	tatttttttc	tcagttaaaa	8580
tgtcaaataga	caaagcacta	agatatgtct	tacactccat	gaactgcctg	agtgtggtat	8640
catgtgcact	ctatagaaaa	cccattggag	gctctcaact	tccagagatg	atgtttaaga	8700
tatgggttat	aaaatgctgc	ccttaatatg	gtacctgtca	tcaaacctaa	caaggatttt	8760
atgaattacc	gttaaaaaata	atgggaaaag	tcggcttcgc	cgggcgcggt	ggctcacacc	8820
tgtaactcta	gcactttggg	aggtggaggc	gggcagatca	cgaggtcaag	agatcgagac	8880
catcctggct	aacatgggtga	aaccccgctc	gtactaaaaa	atacaaaaaa	aaaaaagtac	8940
ctgggtgtgg	tggcgggcac	ctgtagtccc	agctgctcgg	gaggctgagg	caggagaatg	9000
gcgtgaaccc	gggagggcga	gggttgagtg	agccgagatc	gcgccactgc	actccagcct	9060
gggcgacaga	gcaagactcc	atctcaaaaa	aaaaaaaaaa	aaaaaagact	tagtatattt	9120
tt						9122

<210> 9371

<211> 23934

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (22909)

<223> n equals a,t,g, or c

<400> 9371

tgtacaaaaa	tcaatgcata	tttatgaact	ttatttcaaa	tatatatttca	cacattttat	60
ctaaatacat	aatacagaag	cctgtgtgac	ttgggcaatg	tggccaggag	ggcctgagac	120
taacaaatcc	accttggcaa	aaggacataa	aatacgtctt	atggtcagaa	aaatcaacat	180
tttgtgtatt	tacttagttt	acgaaaagta	ctgaaaatgc	tattatttagc	tgaatttgtg	240
atttcctttt	gaaattctga	gttatcctta	tttttcccat	tttgtttttg	caccaaggag	300
actgcagtca	aataaaacag	atactacaca	cacttgctcg	ggcagccgta	ctgcagaagc	360
acgttgatgc	actcctggct	ggaggcctgc	cgggcgtagg	tcagcgctgt	gttcccgtgg	420
gcactctcggg	ccatgacgtc	caccccgtag	cagatcagga	gctgcgccag	gaccacattc	480
cccttgccgc	aggccagatg	gagcgccgtg	cagccgtctc	cctccccaca	ggtctcgttc	540
acctcctcac	gggagccatg	tgccagcagc	aggatggctg	tctgcaggte	ctcatcagcg	600
gtggcccgca	gcagctgctg	gcccagggac	agctcagtg	agggtagtgg	ggccagaaag	660
agcttctcct	catatttgga	acggatccac	cgttccctct	cttccctcgt	ggacttttct	720

gaggggttttg	tctgccccctg	gctgctccct	tcccagatgc	tggttgctag	gtcattgccca	780
atagatgaca	taaccttcct	gagctcaact	ggccagtcac	ccagctccag	agatcgacaca	840
cgggaaaggg	gggtgccaag	actgcggtgg	attcctgagc	attcaatata	catgaggact	900
cccaagttca	aactggccca	cttaggattc	tgggtctcac	agtccacaca	gtggggcggtc	960
ccacgcatgt	tttgatcga	ctgcagggcc	atggccttgc	tctggctggg	cagctggggac	1020
ttgcttttac	tgctctcgca	tgactgcagg	ctggccagga	tctggctctg	gatggcttgg	1080
acccaggcat	cccgtcctc	atacgtcgtg	gcttcaaagt	gccacgtttg	gccagtggca	1140
gacacaatca	taaagtgtgt	ggtgcttttc	ttctttaggt	gtttcttttt	attggcatga	1200
ggagaggggg	gcgggttgag	cttggggctg	gtggtgctgg	agatactggg	gctgaagcat	1260
atggagtcac	ccagcccggg	gtccatgtcc	ttggataggg	cattgctttt	agaggtggag	1320
atgggtgtgc	aggccgatgt	ggctagggat	ggccactttc	ctgggacttt	gatggtagat	1380
gtctgaaggt	caatctcttt	tttatgaata	ttcttcatat	aatcacctaa	gcttgaataa	1440
taggtgagca	cgccattgga	acacaggggtg	acgtatttct	ttttccatgt	cttcagccat	1500
ttcccacttc	gctttaagag	catgccttgt	ttaatgggga	tggctctgcc	gctcccgatg	1560
gtgtcagcat	gattctccgg	ggctttcttc	tctttgtctg	ggtcactccc	tttctcagat	1620
gtaaacaggt	tggaccagcg	catggaccgc	ttgcaaacgg	gggtgggtgt	gttggcagtg	1680
ggaggaacac	tgaactgagg	gtcctcctgg	ctggtgctgg	gagtcgatgg	aatggaggag	1740
gaatagtatt	ttaaactccc	acctccattt	cttttcttca	taatgtgcac	ggtggaacc	1800
tgtgtggaac	agaaggagga	atggcttcaa	aaattgggta	gtggcttgca	gggtcctata	1860
gacagctcac	aattaccttt	taaaaagata	cattttctgg	gccaggcatg	gtggctcaca	1920
cctgtaatca	cagcactttg	ggaggccaac	gtgggtggat	cacgaggtca	ggagttcaag	1980
accatcctgg	ccaacatggg	gaaaccctgt	ctttacaaaa	aaaaaaaaag	aaaaaaaaaat	2040
tagctgggga	tggtggcaca	tgcctgtaat	tccagttact	caagaggctg	aggcaggaga	2100
attgcttgaa	cagggacctg	ggaggcagag	cctgcagtga	gccaagatcg	cgcgattgca	2160
ctccagctcg	ggctacagaa	agagagtcca	taaaaaaaaa	aaaaaaaaaa	aaaaagatac	2220
atthttctgtt	gtttggatag	tatatctact	catactagct	cactaactaa	acagagctgc	2280
agatcagttc	ttactccagc	acattctttt	tacaacactt	aagatgacta	aatgcaacat	2340
gaaatgggga	agatttataa	aaagatggct	ttgacttcag	catgaaacag	atacaagtgt	2400
acgatgaaaa	tacaacctca	ataaaagtgc	cacttaccgc	aatgagtggt	aactgttcat	2460
caggtatgct	caaagatcta	tctgcatctc	tataaaataa	gaaagcgcat	tacttcaaaa	2520
actgttaata	tcttagtata	atatttgttt	agtaaaatac	tgctcctctg	gtgctttggg	2580
gtttacttta	ccaaagcagt	ttttacgaat	tcttctcttg	gatcctgact	tgagaggggt	2640
ttcctgactt	cttctttctc	agcacatcat	ggcctgtacc	gtgaagtctt	ttatatgata	2700
accagtcaga	aatgcccggt	agtattgact	ctccctaaca	ggccatggca	ataaaccaaa	2760
catattttca	ctctttctaac	cacacattga	aacacaagaa	tgttctacaa	agcagttgta	2820
gtaaacttta	ataaatgtaa	atgtgattca	gatttcttag	cttcttttct	ctttagttct	2880
ctgtagtata	ctctcatgat	gtatttatgt	actttctgtt	gtttgaatga	caaactcatc	2940
tgccctttta	agacgccagt	ctttgatgaa	ctttaaactt	tgtaaaacta	atgcattggg	3000
cctgtgtata	aaccagtggg	tcttccaatg	tgctctgtgg	gaccactcgg	gatcccgaag	3060
accccttcca	gaaggccata	gaggtcataa	ctgttctttt	tttttttttt	tttttttttt	3120
tttgagacca	agttttactc	ttgttgccca	ggctggagtg	caatgggtgtg	atctcggctc	3180
atggcaacct	tcgcttccca	ggttcaagtg	attctctctc	cccagcctcc	caagtagcag	3240
ggattacagg	cacctgccac	cactcctggc	taagttttgt	atttttagta	gagatgtggt	3300
ttcaccatgt	tggccagggt	ggtcttgaac	tcctaacctc	agggtgatccg	cttgccctcgg	3360
cctcccaaag	tgctgggatt	acaggcctga	gccactgtgc	ctggccaaca	ctgttctgaa	3420
tcatacta	taaacctgag	aaagctgatg	aaaaatttta	aaaatttggt	aaagtaatac	3480
aaagtcattg	cctgcttttt	cattgacact	tgccatgatt	atataaaagc	aaaagtgggt	3540
acaatggctg	gtttctcagc	ataaatcaag	gcagtggtac	caattacatt	agtagtcatt	3600
ctattcttca	ctgtccctca	caggtaaaaa	acatagcctg	aattttcttaa	gaatgtcttt	3660
gatgaagcag	taaaaattaa	tggtgtttaa	tcttgacatg	tctctaata	tctgaataag	3720
tggaaagtta	accagaagcg	cttttttttt	ttttgttttt	aaagaatccg	tgattttaact	3780
gtgaactgaa	aaatcacttt	tttcacagaa	catcatthtt	attttaaagt	acaactgggc	3840
cagcgcatgt	gctcacgcct	gtaaaatccc	agcactttga	gaggccaaag	caggcagatg	3900
gcttgagctc	cttcaggagt	tcgagaccag	cctaggcaac	ataacgaaac	cctgtcactg	3960
tcaaacaat	aagaaaatta	gcctggcggt	gtgccacaca	tctgtgggtc	cagctacaaa	4020
ggagcctgag	gtgagaggat	tgcttgagct	gagatcatgc	caatgcactc	cagccaagtg	4080
acagagtga	actcgggtct	aaaaaccagt	tcaactatca	ttctcaaaaa	taaatgaagt	4140
gagaggttgt	cacttcaagg	gaaatacgtg	tttgttccca	atgataaaa	ttaagctttc	4200
ctgtggactt	tgaaaaactt	gttccttcta	ctgtaggctt	ggcagctttt	caatacttaa	4260
aggcgtgtta	aagaaagatt	ggtggttaaa	ctaaaagtga	tttttgacac	aataaaacat	4320
aaaccaatat	attccaagta	actaatgcat	gatattataa	atgcaagtat	ggagcaaaag	4380

atccattttac	tgtgcaagaa	agatcaatga	gtactgatgg	aataaatttta	ttaatatgta	4440
aaatgccacc	gtaactaatt	taagaaacca	ccacttgtga	agtttttgatt	tagtgttaac	4500
aaatacccac	aactgtctga	aaacttttaa	aatacacctt	ctaccaacta	catatttgca	4560
tgagggttagg	tcactcttatt	gcttcttttt	ttcttttttt	gagacagagt	cgctctctgt	4620
caccagggct	ggggtgcaat	ggcgagatct	cggctcactg	caacctccac	ctcccaggct	4680
caagcgattc	tcctgcctca	gcctcccaag	taactgggac	tacaggcatg	caccaccacg	4740
cccagccatt	ttttgtactt	tcagtagagg	cgggtttttac	catggttggtc	gggctgggtct	4800
caaactcctg	acctcaagtg	atccacccac	ctcggcctcc	caaaatgctg	ggattacagg	4860
tgtgaaccac	tgcgccccac	cagcttattg	ctttttttgt	ttgtttgttt	gtttaggcag	4920
agtcttgctc	tgtcaccacg	gctgcagtgc	aatggcacca	tctcagctct	ctgcaacctc	4980
cgctctccaa	gttcaagcgg	ttctcctgcc	tcagcctcca	gaataggtgg	gactacaggt	5040
gcgtgccatc	atgcccagcc	aagtttttgt	attttttagta	gagacggggc	ttcgctgtgt	5100
tagccaggat	ggtctcgatc	tcctgacctt	gtgatccgcc	cgctcagcc	tcccaaagtg	5160
ctgggattac	aggcgtgagc	caccgtgccc	aacctcttat	tgctgcttta	aagcaaattg	5220
caaagaaaag	tctagagaat	ccatttgcct	cctattaagc	tcaacatgag	agactttaaa	5280
taatataaat	acatgacgca	cttttttactc	aactttttgt	tgtagaaaag	ttatttttca	5340
atgaaaaaat	tctgttaaca	atactgttct	caaggaatat	tttctgttgt	tataacctgg	5400
gtcatggggt	actactgata	tctagtgtgt	agaggccatg	aatactgcta	aactctctgc	5460
aatgcacaag	acagtcttca	caacaaagca	ttatctagcc	cataatatca	acagtggtaa	5520
ggctgtgaaa	tcgaaactaa	aaatagattt	tgaaaaaatt	tcaattgtat	aattctacca	5580
cactaaatat	caatataatc	aataataaca	catactcttt	gagattctca	atcattttaag	5640
aattatgaga	gtcttaagga	acaaagaaaa	tacaaataat	ttgcttcaat	attttagtag	5700
gcacaatata	gcttatgatg	tctagagctg	tgacctaaca	ctgagcttga	tatcttgcaa	5760
agtacttagc	tagaataaca	agacaggttt	ctaaaaagct	cacctttgtg	tgatatgatg	5820
aggatatctcc	aaggctcacac	tgtggaagga	aaaaaattca	taacaataga	tgttaacatt	5880
tgtaggcct	gaagacattt	tttaaaaggg	gggcagagga	aactctccta	gtggccctga	5940
aattcaaatc	ttctagttca	gaacagtacc	ataagggcac	tttgttttca	tttctttgtt	6000
ttttacaaaa	atatgagaac	caaaatgcaa	ggaaatatgc	cgttagaaga	cgcgtttctg	6060
ttgggtgatta	caatatataa	ataataacag	atttccttgt	tatatgcttt	tctaccacg	6120
aaacctttcg	tcccatgcga	tttattttat	gtatttattt	attttttgac	ccagagtctg	6180
tctctcttgc	tcagactgga	ttgcagtgg	gccatcttga	ctcctcacia	cctccaccac	6240
ccaggttcaa	gcgattctca	tgctcagcc	tcccaagaag	ctgggactac	aagtttgtgc	6300
cactatgccc	agataatggt	tttttgggg	ctgggggtga	tggagtttgc	ctctgttgc	6360
ccaggctgga	gtgcaatgg	gtgatctcgg	ctcaccacaa	cctctgcctc	ccaggttcaa	6420
gagattctcc	tgccctcagcc	tcccaagtgg	ctgggattac	aggcatgtgc	caccacaccc	6480
agctaatttt	gtagagttag	gctcaaaaca	actgagggaa	ggcaaatctc	aattctacta	6540
ataggtctac	acaatattag	cactttttta	aaagcctgta	acattagcag	gtaagatgga	6600
tatgtctata	gtgcttcaag	tagttttcat	ctctgaaata	attttaaaat	cacagaattt	6660
aaagttacat	gctggaaaag	accaatgacc	ttatgtgaca	tttaattcaa	cactcgtttt	6720
acagatcagg	gaaacagacc	ttaaaactga	cttgcccaag	gtcccaccaa	attggagcag	6780
tttctcgctc	taaactcaaa	ttaagcagtg	gctgtcaaac	tttgctgcac	attaaaatcg	6840
cctgagaagc	tttaatatct	gcctcatctt	ccacatgaga	catttttaatt	taattagtat	6900
tgggtatggc	tttgggcac	aaggttcttg	gtaaacattt	cccagggtgat	ttcaatcagc	6960
agcaaagttt	ggaatgattg	agttgggggtg	aaaatcagaa	tcttctggga	tgcttttctt	7020
cacagaaaga	tgccctcacat	ccatcccgat	tttcttaaaa	ggcttctcag	tgccctagaga	7080
tagagggaaa	gtggagatgg	gaagatacat	gtgtttgcag	acttgatttt	tgaaaaaaac	7140
cttgcataag	tgatctcagc	gagttccacc	tatcccaactg	acaacagtg	actactgatt	7200
catgataaaa	cattttttcaa	aatatcttct	tgaagccaat	ttgccctatt	aatttgttca	7260
ataactttat	ttcaccaata	gtgaatacac	caaatgatca	tttctcaaac	ttgctgggtg	7320
caaattaaaa	cttactatac	tctcaaaagt	agacttctaa	aaagtagaat	aatgaggaaa	7380
aaagcacgaa	atttgtttca	gcaaaattaa	tcttcaaagc	tgcttttgaa	ttatatgcta	7440
acatatcaaa	atcttttgaa	ctcagaagaa	gccagggact	ctagtcaaa	taatttttgt	7500
gtatgtgtgc	tcagagattt	aagagactta	gctgactaca	gacatttagt	gattactcaa	7560
taggtcccaa	agctcaggac	ttgagacaga	gtttgagtc	agtttttgtt	cgaaacacaa	7620
tttctctctca	actattgtta	aaagggaggg	aggaaagtga	cattattatg	agtgtaaact	7680
ttccactttt	aattgaagta	aaagttattg	acaattgaat	tagttaaaaa	ggctagtgca	7740
tttgaacaaa	aattgtttat	aagctagtta	tgtgtacaga	atgaaaagt	aaattaaaga	7800
taaagacatt	aatattctaa	attagcactt	tccaactgt	gttctaaaaa	tcaagactaa	7860
taacccaaga	agatgagaat	aatgtacact	ggacagcccc	tgtggagctg	gtgggtgggt	7920
tggttgttgt	tcctttttaa	ataaaacttca	tctcaggggtg	ctctcaaagc	gcactcttgt	7980
ggccacagag	gtgctcatgc	acaatgggag	aaattcaaat	gcagatacac	tgtggtgcca	8040



gaagaagaaa	agctgttcct	tcttccaagg	ataatgtcca	aagtagtgca	caactgattta	8100
ggcctatgat	gcattgaaaa	actaagtttc	cacaaaaaac	attcaataaa	gggaacctat	8160
cctttctact	gtgttcaaca	ttgtctaaag	gcataaaggc	atcaaaaaga	tacactgttt	8220
ctgggattgc	ttctttgcta	actgattttt	ccttccacca	cgacgtctaa	gattaaaaga	8280
gaaactgata	cttaatatct	agaatctgga	tatcaatata	tgggtgactc	caattttctta	8340
aactgattgc	tgaaaaggac	aaccaaata	ctgaaataat	tttagaataa	aggaatctgt	8400
ccctcggcag	catagtgtga	ctcacgatat	tattgtcatt	gtaagataat	gctggatggc	8460
tgtgctgtca	tcaagggaata	ttgtcgaaca	caagctgtat	tgttgactga	aacgcacagt	8520
agatacctga	aggggaagg	aagtgttaagt	caaacttatc	aaagtgtatt	atttttctcag	8580
ttaaaatgtc	aaatgacaaa	gcactaagat	atgtcttaca	ctccatgaaa	tgcctgagtg	8640
tggtatcatg	tgcactctat	agaaaaccca	ttggaggctc	tcaacttcca	gagatgatgt	8700
ttaagatatg	ggttataaaa	tgctgccctt	aatatggtac	ctgtcatcaa	acctaacaag	8760
gatttttatga	attaccgtta	aaaataatgg	gaaaagtcgg	cttcgcgggg	cacgggtggct	8820
cacacctgta	atcctagcac	tttgggaggt	ggaggcgggc	ggatcacgag	gtcaagagat	8880
cgagaccatc	ctggctaaca	tggtgaaacc	ccgtctctac	taaaaataca	aaaaattagc	8940
cgggcgtggg	agcaggcccc	tgtagtccca	gctacttgag	aggctgagat	ggaagtattg	9000
ccttagccag	gaaggtcaag	gctgcagtga	gctttgatca	tgccactgca	ctccagcctg	9060
ggcaacagag	caataccctg	tctcaaaaaa	gaaaaaatg	gctttgtttc	actgtgccct	9120
taagtgattc	tgtagctggg	ttatagaatt	cagcatcaat	tagttatttt	ccaaagctca	9180
ttgaagacat	ggcttcattg	gcctgtatct	agtgttgcta	atgaaattaa	tgaggaaaat	9240
ctgatcctta	tttctttgaa	tttaaacaaa	tttttttttt	tttttttttt	atgctttggg	9300
agcttttaac	atttttttct	ctatttttcat	agctttcttc	actttttggg	aatttttagc	9360
tattaattaa	atactacttt	ctcccattct	ctctctgcct	ttggaattcc	tactagacga	9420
aagcttgaat	gcggtcaccc	agactttctg	gctcttaacc	ttttcacctt	tttctctttg	9480
ttctttaacc	tccaagactc	cctcaactga	ttgctaattg	acccttcagt	tgaggaaat	9540
gtgtctctgc	tgttactcag	cctatctttt	gaggtttttc	tttcaataac	ttgggcttta	9600
atttttgaga	tctctaattg	gttctttttc	ataattgctt	ggtttttatt	tcccctgttt	9660
tgctgaaggt	attaaatgta	ccttgcttta	ttgacctttg	gttgtagaga	agatttttca	9720
tttgctctat	ttgttatttc	tctttcatag	cagtgggctt	cctcagacat	ctggcacttc	9780
ttcaatgcac	actagatttc	tggtttccaa	ttctccacct	gagtctcagg	attctgcagc	9840
attcccaggt	gggtgcagac	tcagggttacc	tgggccttgg	cttctcccat	ggcttcttaa	9900
gaacttcctt	gtttattttt	gtgatcccaa	gcactcccct	ttatgacttc	aagcccaatt	9960
gtatagtcag	taatttaatt	tctctatctg	ttctatcatt	tataagggca	cagcatggag	10020
ggaggggcct	ttcagatatt	tttcttggcc	catcttaaat	ccctaaatta	cacttaaaaa	10080
aataccacca	aagcttttgt	ctttttattta	ggaagaatag	agtactcaga	catgagtttg	10140
gagtagggcg	gtgtatgtgt	gtatgtgtgc	ctatgcagtt	taaacctggt	ctgtaatgta	10200
ttgcaataaa	tgtttcagtg	tcggtacagt	gaacaattca	acttcataat	aggccaatct	10260
ggaatctccc	agaaaaat	actttgggtg	ttagtgcctt	tttttttttt	aatcattaat	10320
atctatagga	agacctagta	ggagtggctg	acaaagttta	ataaatctca	tgataaaatg	10380
cttggtttttg	atgtgaatgt	tgttctctcag	tccatcctaa	aatgaaattc	acagggttgg	10440
gttcgatgtc	ttcttccaca	cctctcatta	caatctgcca	taggagtgca	gaccgcccc	10500
atctgagcc	tggatttaatt	gctcaaacaa	gacagagcc	agcaggaaat	atttgccctg	10560
ccttcgctgt	aaatcttgag	tccttgtcca	tgatatccca	aaaggccacc	agatggaaat	10620
gtgatgccgt	gaaaagagat	gcactaccct	ttgcaaagg	ggattgacc	tgctgctctc	10680
tcaaaagaaa	ttgtccttat	tcaatgtaaa	acaagggttt	agaaattttt	ctttgttgaa	10740
tgtagaataa	agagggcatt	acatgaatgc	ctatgcattt	cagctttgga	gaggaatcct	10800
tacatccatt	ctgacagcat	ggagataaaa	agtctgtctt	tctgtattca	tgttttgttg	10860
tcatttgctt	tcttttctcc	cttcttggtc	tgtgtgtacc	acatcctctc	tatgtcttct	10920
ctttctttct	tttttttatt	tttgagacgg	agtctcgctc	tgtcgcccag	actggagtgc	10980
agtggcgcca	tctcggtcga	ctgcaagctc	cgcctcccg	gttcacgcca	ttctcctgac	11040
tcagcctcct	gagtagctgg	gactacagtc	gcccaccacc	gtgcccggct	aactttttgt	11100
gttttttagta	gagacggggt	ttcacctgtg	tagccaggat	ggctctcgatc	tcctcacctc	11160
gcatctgcc	tgcctcagcc	tcccaaagta	ctgggattac	aggcgtgagc	cacggcgccc	11220
agcccttcta	ttattttatt	actacgataa	aatgtaatgt	attaaataat	cctgctacaa	11280
gagcatttta	ttgcagtga	tacaagacta	atgcatttac	taaattacta	atcctaaatg	11340
tattatttca	ggtgatattg	ttacaaaaga	agtgtttcag	attcagaggc	tctgtgtgtc	11400
agggctgcta	ggccaccaac	aagtgaggaa	gccataggtt	tctctagtcc	tattttctta	11460
tgtggaggat	aaaaagagta	tcacttacat	attctctcac	accctgaaaa	caaatgacaa	11520
cttaaaaaat	ctaactttca	cttcatgttt	aaataagact	gccaagacat	gactcaaatg	11580
agactctcgg	agaatacttt	gcattcactt	caaaaactga	tcaattgcat	tctataaatc	11640
atctgacctg	cacctagcca	ttttctctgt	ctaccctgtc	tctctgccta	gaatactgct	11700



tttctctttc	cttgcttcag	caagctcgac	tccatctacc	ctcttggatc	tctttgtcgg	11760
cagccacacc	aaaaaatgta	tttttataca	ctaattagtt	gaattcacca	ctgcttacaa	11820
gatgctaatt	cctgcagagt	attccccctg	tgagaaagta	tgccctctcca	taagagtaag	11880
ggagggccct	tactcttcct	acctccagct	gctgagcata	gaattttgag	taaatccaaa	11940
acttcgacaa	gtgtttgaca	attcagttat	catttggaag	gtaagtctta	ctacatttaa	12000
ttacagcaaa	aacactacta	acagtttact	ctttataggt	attatttaag	gtagtcacaa	12060
aatagaaaca	aacactctaa	cgtcaggcag	cataaatgag	agtatgaaat	tttacaatat	12120
ttaacaagaa	atggaagggy	ttacttagta	gttttaaggt	ttaatgacaa	aaactagaaa	12180
ataatcgtac	ctagtaattt	agtaagtcaa	aaccaaagcc	ttaccatcaa	aggtgcagta	12240
cccatgggat	gcggatgccc	acgcactgac	ttcttctgct	gtacctgctg	cctctcattt	12300
taaccacatta	aaaataactaa	agttgttttc	cttgtagaca	tctttcacct	ccttggtttag	12360
gtctattccc	aagtatttta	tttttagttta	gttttagttt	gcagctatca	gaaaaggggt	12420
tgagttcttg	gtttgattct	aagcttggtc	gcttctgggg	tataacagag	ctactgattt	12480
gtgtacatta	attttgtctc	ctgaaacttt	gctgaattca	tttatcagtt	ctaggagctt	12540
tttggaggag	tcttttaggt	ttcctaggt	tatgatcata	tcacatcaa	acagcaacag	12600
tttgacttcc	tctttactga	tctgcatgcc	ttttattggt	ttctcttggt	tgattgctct	12660
ggctaggcct	tccagtagta	tgttgaatac	aagtggtgag	agtgggcac	cttgtcttgt	12720
tccagttctc	ggggggaatg	ctttcaactt	ttcccccttt	cagtatcatg	ttggttggtg	12780
gtttgtcata	gatggctttt	attatatgta	gctgtgacct	ttgtatgctg	attttgctga	12840
gggttttaat	cataaaagga	tgctgcattt	tgtcaaagtc	tttttctgca	tctgtttaga	12900
tgatcatgtg	attttttgtt	tttaattctg	tttatgtggt	gtatcacatt	tattgacttg	12960
tgtatgttaa	tccatccctg	catccctggt	atgaaacca	tttgatcatg	gtggattatc	13020
tttttttttt	ttttgagatg	gagtctcgct	ctggtgcca	ggctggaata	tgcaagtgtg	13080
tgatcttgge	tcactgcaac	ctctgcctcc	gaggttcaag	cgattctcct	gcctcagcca	13140
cctgagtaga	tgggattaca	ggtgagcgcc	accacacccg	gctaactttt	gtatttttag	13200
tagagatggg	atttccacct	gttggccagg	ctggtctcga	actcctgacc	tcatgatccg	13260
tccgcctcag	cctcccaaag	tgctgggatt	acaggtgtga	gccaccgtgc	ctggcccgat	13320
tattttttga	tatgccgttg	ggaactacaa	aacgttgctg	aatgaagtca	tggacacaaa	13380
caaattgaaa	gacaccccat	gctcatgaat	gggtagaatg	aatattgtga	aaatgaccat	13440
actgccaaaa	gcaatctaca	aattcaatgc	aactcccatc	aaaataccac	catccttctt	13500
cacagaacta	gaaaaaacia	tcctgaaatt	tatatggacc	aaacaagaac	cggcacagcc	13560
aaaacaaaa	taagcaaaaa	caacaaatct	ggaggcatga	cattacctga	tttcaaacta	13620
tactataagg	ccatagtcgc	caaaatagca	tggtactgat	ataaaaaatag	gcacatacac	13680
caatggaaaca	gaatagagaa	ccagaaata	aactcaata	cctatagcca	actgattttc	13740
aacaaagcca	cctaaaacat	aaagtgaaga	aggtaaaccc	tattcaacaa	atgggtgctg	13800
gataattggc	aagccacatg	cgggagaatg	aaactggatc	ctcaactctc	agcttacaca	13860
aaaatcaact	caagatggat	caaggacata	aatctatgac	ctgaaaccat	aaaagttcta	13920
gaagataaca	ttggaaaaaac	ccgtctagac	gctggcttag	gcaaagactt	catgaccaag	13980
aacacaaaag	caaatgcaac	agaaacaaat	aggtgagact	taactaaaga	gcttctgcac	14040
aggaaaagga	acaatcagca	gagtatacag	acaaccacag	agtgggagga	aatcttcaca	14100
gtctatacat	ctgacaaaag	gctattatcc	agaatctatg	aggaactcaa	acaaattaca	14160
attacaaaaa	tatggaacca	gctcaaatgc	ccgtcaatca	atgagtggat	aaagaaaccg	14220
tgatatacat	acatatatat	atatatatga	ggaataccac	ctcagccata	ataaggaata	14280
aattcatggc	attcccagca	acctggatgg	agtaagact	attattctaa	gtgaaataac	14340
tcagcatgga	aaaccaaata	tcatgttctc	tttcatacgt	gggagctgag	ctatgaggat	14400
gcaaagccat	aagaatgata	caatggactt	tggggacttg	ggggaaaggc	tgggaggagg	14460
gtgagggata	aaagactaca	aattgggttc	agcggatact	gctcaggtga	cgggtgcacc	14520
taaatctcac	aaatcatcac	taaagaactt	agtcatgtca	ccaaatgcca	cctgttcccc	14580
cagaaaccta	tggaaataat	aaataaataa	ataaagtaca	gcatttttct	cagcaaacat	14640
aaaataaaa	aaagactaaa	gttcatattt	ttcactctcc	ttttgggcag	gacaaatttt	14700
agataggttt	ttaaagaatt	agtaactttt	ttccttttct	cgagacaggg	tctccctttg	14760
ttgccaggc	tggagtgcag	tggtgcaatt	atagtttaact	gcagcctcaa	actcctgagc	14820
tcaagcgatc	ctctgcctca	gcctcctgag	taggtaatac	gaaaggcgca	tgccaccagg	14880
cctggctaatt	ttgttattta	acctttttgt	agatatgagg	acttgcgatg	ttgaccaggc	14940
taaaaatgaa	caaactctta	ttaacttaaa	tattttctaac	actttgggca	ttcaggaaaa	15000
cagctccatc	tatgtttgtg	agtaatggga	agtatatggc	agtggataaa	ctttgaatga	15060
aaatattaaa	caaggcctta	ggagaaaaag	gtaatatgct	tattatagat	acattaattt	15120
aaaaaattct	ctggcttaat	atcatthaatt	atactcaaat	tagactttga	tttaaacaca	15180
ggtcctaatt	ttggattaaa	tataatagat	tgaccacaaa	tttatttctg	ctccctccgg	15240
aagcctcatc	agtcataaaa	taaagggttac	acccatgacc	agcacagaag	gttgacagag	15300
ataattttta	ataaatgctg	agacataaaa	agtagataaa	ggagtggtaa	ataacacaga	15360

aacacaactt	tggtgcctac	agaaagtgc	tggaacagaa	gcgagccagt	ttgtcttgca	15420
gaactaaagg	caggttgtga	acttacaggc	aatggcact	ttggaaagta	gggtaaaatg	15480
tgaaaaaaaa	aaaaaagcca	gcaaggctag	ttgcaaactc	ctaactagag	ccccaagtcc	15540
acctgtcctt	ccatctgaca	agaaacttag	atgtgtgttc	tctggatata	tcaaacctga	15600
gaatttctgg	ctcagagata	ccatggctta	aacctgagat	ataaagaaaa	ctgtacacca	15660
aaaatggaac	tccaactttc	ttcgctaact	ctgcttttcc	tttccaggcc	tgcttttact	15720
ttccaggcag	aaaactggga	gatcctttct	agaagaaact	gaaatgtctt	caaaaaagat	15780
ccccagataa	tacactgagg	tctcccaaat	gaaaagctag	tcaggcttct	aaggcctcac	15840
actgagtgtc	atcagttaac	agaaatcctg	cttccaaata	aagcaggcca	ggaaccacca	15900
cacattggag	ggaagcctcc	aagaaaagag	atcaaaaaca	tagaaaaaag	gaattgatag	15960
gaccagtcaa	aatcaggagc	aaaactttta	aaaaaaatct	taaaacactc	tcaaaaaata	16020
taaaattcaa	tagaaatagt	agaggataaa	gtcacagaat	atcccagAAC	tagaataaaa	16080
agacaaactg	aaaaaaatac	aaggggaaaa	attaaaaatc	aatgcaggcg	tactgggtcta	16140
agcagcctag	catctgaata	acaagactat	cagtaaaaaa	gtaacagaga	aaataaaaaa	16200
aaaaattctc	aagaagagat	agtctgcagg	tttagtagcc	tcaataaaaat	gaaaagatcc	16260
ccaacaagct	gttataaaaat	ttcagaacct	tagagagaga	gattctaaaa	agcttccgca	16320
gataactaaa	acctgggtgt	aaataacata	tcacacactg	gcaatagatt	caagaacaac	16380
actgtaataa	gagcacaact	gcaaaatgtc	ttcagaacca	tacaatttag	attcaacctta	16440
gaggtgtact	ctctatcaaa	gaggagggat	tttaacatct	ccacacagga	aatgtgttct	16500
aagtacaact	agagacgata	acaggacaga	aggaaacaca	gaatctagga	ctcaggcgat	16560
cccacacaag	acagcagtta	catgagatac	caaaagactt	taaagagtta	gcccgaaaaa	16620
gcagacattg	agcatatcta	gggaaaccca	cgctatatgt	aactaggatg	acaaaaggcc	16680
aaagaaagtt	gccccccaca	caaacataaa	aaggaacaga	tgtgttttctg	cagatggaaa	16740
atatctttga	aaggcatgtg	ataaatgtca	caatacttgg	gggaaaacag	ctgttagaaa	16800
acaggcaaat	gaataatgtc	agaaaatttag	cttcagtcta	aaaaataatg	gatgtgaaag	16860
caaacagagc	acccagaggc	tacttaacga	tatttggata	gataaactaa	cgtaggctag	16920
gaaaaaagaa	gatccaggag	aattgcagaa	gtgctcagat	ttcagaactg	tttcagagac	16980
aggatgaagg	acatggaatg	cagaggcaca	gtgaaaacac	catatgactt	agcagtgaat	17040
aatattttgca	gagtcataat	catgtaaata	ttactgattt	aattaaaaag	tgtgctacaa	17100
ttggaagaaa	cacagggaga	aacataagat	catggtgtag	cggggaagg	atgctttttac	17160
ctgctgtgac	agaaaagtcaa	tagacagtgc	tggcaattaa	cttagctatt	ctatttttgt	17220
tcttttcatta	aaaataagat	taaaatttta	aggcaatttt	tttttttttt	ttgagacaga	17280
gttttgcctc	gtcgtccagg	ctggagtgc	atggcgcgat	cttggctcac	tgcaacctcc	17340
gcctcctggg	ttcaagtgtg	tctcctgcct	cagctcctctg	agtagctgag	attacaggca	17400
tgcaccacca	cgcccagcta	cttttgtatt	tttagtagat	acagaatttc	accatgttgg	17460
tcagggttgt	ctcaaattcc	tgacctcaga	tgatcagcct	gcctcggcct	cctaaagtgt	17520
tgtgattaca	gacgttagcc	accatgcccc	gccttaaggc	agatcttttg	aaccggacta	17580
ttgaaattta	acttaaatgt	cagaaatctt	taaaagggtg	acacgctaaa	ctaagcactt	17640
ttctggataa	atttaatact	caggaaaaata	gaagagattt	agaaaatcca	caaaaagagg	17700
tccatgctac	caccaccagg	tccacattgt	aattttaaaga	aatcaagaga	gacatccttt	17760
tatgtcaaac	tatcaatttc	ttaactattt	gagtgtttac	ttacatgggt	tgtacagttg	17820
cttcttctta	tttctacaac	taagaataaaa	ctggtcactt	ctcctatgaa	aaatgagaca	17880
taccataaaa	taaaagtagt	tgttaacatc	ttactgatta	aaattatctg	gcatgattaa	17940
aaattccatt	aaaaaaaaaa	ttttcaataa	catataattt	aaattatctg	gcatgattaa	18000
tttcataagt	caaatctaaa	aacttagatt	ttcatttagt	ttactttttg	tttctattac	18060
acacaaatga	agaatcctc	atgtacaaaa	gaaaagggca	aaaaaattag	gccagatgaa	18120
aaatttagct	aataaaaagt	ttaactgttg	catatatgag	ccatgatcca	ttagtattct	18180
ctcattctgc	atttacacat	agcttacttt	aattatcaga	ctctaagagc	taacagtctt	18240
aaaaactact	tctgaccag	acacctatct	ctagatgcaa	cagaatccct	gtaagcatct	18300
tgaaccacac	ttagtgggta	tctactaata	tgctactaaa	aacaaaacaa	aattaaaaaa	18360
tggtctttac	acaactggaa	agtaacctat	cttaaatctg	ttttcttttt	tgagatggag	18420
tctcactctg	tcacctaggc	tcgagtgcag	tggcgggata	tcagcgact	gcaacctctg	18480
cctcccaggt	tcaagcaatt	cttcagcctt	agcctccgga	ctagctggga	ccacaggcac	18540
gtgccaccat	gcctagctaa	ttgttttttg	tatttttagt	agagacagag	ttacactgtg	18600
ttagccagga	tggtcttgat	ctcctaacct	cgtgatccac	ccacctcaac	ctcccaaaga	18660
gttgggatta	caggtgtaag	ccacagagcc	tggcctaaat	tttgatgtta	aaataagtat	18720
acaaacctaa	ttggacatgg	tgtctgcagc	acaaaaaatc	attttttttc	cctaaaaaga	18780
ggccagaata	ataaaagccc	caagagggac	ttggggccatg	ctttgttttc	tacactgcct	18840
ctgcctttga	tgctggggag	gccttgtagg	caaaagtctac	taccactgaa	gagtgaggga	18900
catggaatag	cttttctttt	actgcttcca	tgctctctag	gtgtgagaag	cccatgcctc	18960
tggaaggaac	tgggaaatac	aattcttgata	tgttttggat	atgttgcccc	tccaagtctc	19020

atgttaacat	gtgaccctta	atgttggaga	cagggcctag	tgggaggcgt	ttgggtaatg	19080
gcagtggatt	ccttatgaat	ggcttgggtcc	catccccatg	gtaataagca	cattctcatt	19140
atggtaattt	aaaagactgt	ggtactggcc	aggtgcggtg	gctgaagcct	gtaatcccag	19200
cactttggga	ggctgaagcg	ggtagatcac	ttgagggtcag	gagtttcaga	ccagtctggc	19260
taacatggtg	aaaccctgtc	tctacaaaa	atacagaaat	tagccagggtg	ttatggtgcc	19320
cacctatagt	cccaactact	cgggagggtg	aggcaggaga	attgcttgaa	cctgggagat	19380
ggaggttgta	gtgagccaag	atcgtgccat	tgcactccag	cctgtgcaac	agagtgaagac	19440
tccatttcaa	aaaaaaaaaa	aaagagtgtg	gtaccttccc	ccttcccctc	tctcctccct	19500
ctttcacggt	gtggaaccac	ctgcttcccc	tttgcttttt	atcatgattg	taagtttgct	19560
gaggccctca	ccagaagcag	atgttaaagc	catgtttgta	cagcctgaaa	atctttgagc	19620
caattaaacc	tctttttgtt	ataaattacc	cagccttagg	tatctcttta	tagtaatgta	19680
aaaaatgaag	acaaattcta	accagaaata	actgactcaa	gatgggcaaa	gtctactcaa	19740
actataaaaa	caaagggttac	aaactcccgt	gttttactgt	gctgcattac	ttcgacacatt	19800
ataatagaac	cctcacttgt	gttcttgctg	tttaagtcaa	ctggaaaact	tggctgtgta	19860
tggcttggtg	gcaataaat	gaggatttaa	tataacatta	agggaaataa	gcaggagtaa	19920
ggcatggtta	aatttacatt	atatcaaatg	aaaaagttaa	taacctaaaa	cttttgagta	19980
gcgtaaactt	ggatgtggtg	aatgaatgtg	gtcagaggac	tgtgtaagag	gaggcccaaa	20040
tcacagattc	aatccctgat	gataaacgac	tatgtttttt	aatttgttta	aatgaaaacc	20100
aagctgaagt	tctatcattc	atctttaaaa	tgtacttttt	ggagcaaggg	aaaagggatt	20160
gtaaataaag	atgaatccat	taattataaa	taaagataaa	tccaagaatt	ataaagagaa	20220
atccatgact	cctccatcac	atcacaaaat	aatttgtgtg	ataaaaagat	ggcaaatgt	20280
ataaacaana	aggttacacg	ttttcactaa	catcatagca	actaaaggaa	agtatatcac	20340
atattaaaa	aagacaaggg	aacatgtgaa	aagatgaaaa	ttttaaacca	atatgagttt	20400
ttctaataac	tttctataac	ctgatcaaac	aagagctttt	attctttctc	ttggtggaaa	20460
aaacaatgtc	gtctcaccat	ctgttttgag	gttcctctgg	aatattgtgc	ttgcctctgg	20520
attggcagaa	gggttaaact	ccaaagctat	atgcataagag	gaagaaaaga	aaaaaagatg	20580
taatcattga	taaaaattta	tcaactcggt	tattcgactg	ctgcatttag	gctattttcac	20640
tatctctact	ttgattctta	tccattgaaa	tgaatgtata	gacataagag	agagccaggc	20700
aagatggcac	atgcttgtag	tcccagctac	tcaggaggct	gagatgggaa	aatcacttga	20760
acccagggtca	ggaagttgag	gccagcatga	gtaacataat	gacaccctcc	tttattttaaa	20820
aaaaaaaaaa	aaaagaagag	gtaaaattttg	gcttttgagtt	gtgtaaaatc	aactttgcat	20880
aaaataaatc	aagatggcag	taagttttaa	aagacagggtc	tatttttatag	gcaaaatata	20940
agatgtattc	tagagttttt	aaaattttta	aaaagtaaat	tcatacatac	tgtcacttcc	21000
atctcattct	gaggacacag	aaccttagtt	ctcttgagta	gctgtcttcc	atagtcattg	21060
gatattctct	agtttttcatt	tcttcggttag	caacacatag	ggagaacata	cacaggcctt	21120
atltgtattg	gaaagggcca	agtgtgacat	acataaaactg	tgttgtaatc	ctaaagaatg	21180
acaataaaga	gccatttttg	ggctctcatc	caacactacc	catctactaa	ctgggtgtgta	21240
acatccatca	ggctttccga	acatcaccaa	gcagagtata	agtttacaca	agtacttaca	21300
tgctttgtgt	ataaagggtac	aatcaattaa	ttcacataat	acatttggtt	attctaaagc	21360
aatccttaaa	tatcttgaaa	tgtgaagata	gtacttccaa	gttacaaaagt	cacactcata	21420
atgagtctta	attatcctac	ctcttttaaa	attaagagcg	caaccaaagt	ttaaatagaa	21480
gagctataag	acatttctct	tacagtgtag	aaactctctg	catttaaatg	aaaacaataa	21540
gctactgga	tgtaatatgt	ttatgtatga	atgttttcta	ttttgaaaat	ttcagttttt	21600
attcaagaac	catattatta	cccagaatta	cttttactta	gattcatctc	tttgcaaaat	21660
tttagaggca	aacgaactaa	ttgttttctc	ttttctaccg	gctcccatcc	cctgcctctg	21720
ccagcagtg	agagactaaa	aaactccaac	tttctttcct	tttttttttt	gtgagacgga	21780
gtctcgctct	gtcaccagc	ctggagtga	ttggcggtg	ctctgctcac	tgcaacctcc	21840
acctcccagg	tccaagcaat	tctcctgcat	cagccttggtg	agtagctgga	actacagtca	21900
tgtgccacta	cgcccagcta	atlttttgtat	ttttttttta	gtagagacag	cgtttcacca	21960
tgttgccag	gctggctctg	aactcctgac	ctcagggtgat	ccgcctgcca	cggcctccca	22020
aagtgtggg	attacaggcg	tgagccacca	agcccagcca	aaactgtaac	tttcttatct	22080
ttgaacaaga	tgctattgtc	aggaggggaa	gggacaaagg	gggagccatg	gcaacaaaca	22140
ctcttacagg	gaaggtctga	cattttaaac	tgcaatcttt	atattacaca	ttgaaagtct	22200
acattgacgt	ttcatgtctt	ttgaaagtgt	tgaccatgaa	ccaatcccca	cctctctttt	22260
agaacaagga	ggtaaataaa	gtctgttaag	tcaccagaat	aaactctggag	acacattttc	22320
tgttaaagta	agaactttta	cagaaaagag	cttcataggt	aaactccttt	gagaaacccc	22380
aaacacacac	acacaacctc	ttttctgcag	ccccggctgt	gacattttcac	acctttcaca	22440
attattttta	gcactctcct	tttttctttt	tctcttctgtg	ttcaaattac	agttagaaga	22500
aactaagcag	tctctatcaa	ggtgacttta	agcagcccat	taagaatacc	atatagcctc	22560
tcccatggca	aactccattc	tgatttttaa	taagaaatcc	ccaaatattt	gaataggaa	22620
tgtcttgaga	tttggctact	tttaacaaagg	aaacaattag	gcacttacct	ggttccttca	22680

cttaggtacc	atctggatag	gtacaaagaa	aaaataagat	gggtactgaa	aagttgggat	22740
atttgagttt	ttattgagaa	aaggaagaga	atagctcaaa	gaagcctaaa	caaagtccca	22800
caggataata	aacagagcta	cagacactgt	tgtctcacca	tctgtttgag	agttcctctg	22860
gaatattgtg	cttgccctctg	gattggcaga	aagggtaaac	tccaaagcnt	atatgtatag	22920
agggagaaaa	gaaaaaagat	gtaatcattt	ataaaaattt	atcaactcat	ttattcaact	22980
gctgcttatt	cgacaagagc	cataaataaa	tgggtcccatg	ccagcctggg	agaatgagat	23040
gagagagcaa	gaactgggcg	attggggaggg	gaggcgaaaa	gaaactgact	ggactcgggtg	23100
gggaaatact	aaggggtggg	aattcaaggc	agagccagct	tttgttcctg	gccagctccc	23160
gggaaagctg	gctacaagca	gaaaggagct	cgaagtgggg	gatgcctcaa	agggaaacctt	23220
ggggacagta	gcagccagag	gcaaaccgag	ggtagatggc	acctatcacc	tcctcacctt	23280
caggcatctc	ccggtcacga	acgtgggtgca	tgtggaggtc	ctcaccaact	tcaacagtca	23340
cctcagcagg	ctgtacagca	gcagccatgg	gcgctcctgc	catcctgtcc	ccagctcctg	23400
cctcatagat	ctcagattca	gagggacaca	ccgacccctg	ctgctgggtca	aactcgaggc	23460
tgacgctagg	gtgcacacga	caggtcagta	tgttcccat	ggggcgccctc	tactgtctgc	23520
caccacctgt	gcctctgctc	acagctttgg	ccacgcactc	ccgctgtcct	aggccgaggc	23580
tatgctgcac	ttgcagagat	ggtcttcccg	ctcctcgctc	gccacactca	cagcgcgggc	23640
ccgggaccca	gccctggccc	tggccctggc	cccgccccc	gctagggtcg	cgggccaagg	23700
cccgcacct	gctgcctccc	ctgagttgac	ttgtctggga	gggtgaagac	cagccggctt	23760
atttaataagg	ttgtgaaccc	aacaagtgtc	gagagacaca	acaactgcct	gaagagagaa	23820
cagacggagc	tcctcctcct	tctgtagtca	cctacagact	gaagcccact	ggccccaggt	23880
gggagccccag	gcatgtggca	cacaatgccc	cacccacac	ttcacaatgc	cctc	23934

<210> 9372  
 <211> 8900  
 <212> DNA  
 <213> Homo sapiens

<400> 9372						
tgtacaaaaa	tcaatgcaaa	tttatgaact	ttttttcaaa	tatatatttca	cacatcttat	60
ctaaatacat	aatacagaag	cctgtgtgac	ttggggcaatg	tggccaggag	ggcctgagac	120
taacacatcc	acctcggcaa	aaggacataa	aatatgtctt	atggtcagaa	aaatcaacat	180
tttgtgtatt	tacttagttt	atgagaagta	ctgaaaatgc	tattataagc	tgaatttgtg	240
atttctcttt	gaaattctga	gttatccctta	tttttcccat	tttgtttttg	caccaaggag	300
actgtagtca	aataaaacag	aactacacgc	actcgctcggg	gcagccgtac	tgcagaagca	360
cgttgatgca	ctcctggctg	gaggcctgcc	gggcgtagggt	cagcgctgtg	ttcccgtggg	420
catctcgggc	catgacgtcc	accccgtacc	agatcaggag	ctgcgccagg	accacattcc	480
ccttgccggca	ggccagatgg	agcgccgtgc	agccgtctcc	ctccccacag	gtctcgttca	540
cctcctcag	ggagccatgt	gccagcagca	ggatggctgt	ctgcaggctc	tcatacagcg	600
tggcccgcag	cagctgctgg	cccaggggaca	gatcagtgca	gggtagtggg	gccagaaaaga	660
gcttctctct	atatttggaa	aggatccacc	gttccctttt	ttccctcgtg	gacttttctg	720
agggttttgt	ctgtccctgg	ctgtccctct	cccagatgct	gttggctagg	tcattgcca	780
tagatgacat	aaccttctct	agctcaactg	gccagtcac	cagctccaga	gatcgcacac	840
gggaaaggcg	gggtgccaaga	ctgcgggtgga	tacctgagca	ttcaatacac	atgaggactc	900
ccaagttcaa	actggcccac	ttaggattct	gggtctcaca	gtccacacag	tgggcgtttcc	960
cacgcatgtt	ttggatcgac	tgcagggcca	tggcctcgct	ctggctgggtc	agctgggact	1020
tgcttttact	gctctcgcat	gactgcaggc	tggccaggat	ctggctctgg	atggcttgga	1080
cccaggcatc	ccgctcctca	tatgtcgtgg	cttcaaagtg	ccacgttttg	ccagtggcag	1140
acacaatcat	aaagttgttg	gtgcttttct	tcttttaggtg	tttcttttta	ttggcatgag	1200
gagagggggg	cgggttgagc	ttggggcccg	tgggtgctgga	gatactgggg	ctgaagcata	1260
tggagtcacc	cagcccgggtg	tccatgtcct	tggataggtc	attgctttta	gagctggaga	1320
tgggtgcgca	ggccgatgtg	gctagggatg	gccactttcc	tgggactttg	atggtagatg	1380
tctgaaggtc	aatctctttt	ttatgaatat	tcttcatata	atcacctaag	cttgaataat	1440
aggtgagcac	gccattggaa	cacaggggtga	cgtatttctt	tttccatgtc	ttcagccatt	1500
tcccacttctg	ctttaagagc	atgccctgtt	taatggggat	ggctctgccc	ctcccgatgg	1560
tgtcagcatg	attctccggg	gctttcctct	ctttgtctgg	gtcactccct	ttctcagatg	1620
taaacaggtt	ggaccagcgc	atggaccgct	tgcaaacggg	gggtgggtgtg	ttggcagtggtg	1680
gaggaacact	gaactgaggg	tcctcctggc	tgggtgctggg	agtcgatgga	atggaggagg	1740
aatagttatt	taaactccca	cctccatttc	tgttcttcgt	aatgtgcacg	gtggaaacct	1800
gtgtggaaca	gaaggaggaa	tggcttcaaa	aattgggtag	tggcttgacg	ggtcctatag	1860
acagctcaca	attacctttt	aaaaagatac	attttctggg	ccaggcatgg	tggctcacac	1920

ctgtaatcac	agcacttttg	gaggccaacg	tgggtggatc	acgaggtcag	gagttcaaga	1980
ccatcctggc	caacatggtg	aaaccctgtc	tttacaaaaa	aaaaaaaaga	aaaaaaaatt	2040
agctgggcat	ggtggcacat	gcctgtaatt	ccagttactc	aagaggctga	ggcaggagaa	2100
ttgcttgaac	agggacctgg	gaggcagagc	ctgcagtgag	ccaagatcgc	gcgattgcac	2160
tccagcctgg	gctacagaaa	gagagtccat	aaaaaaaaaa	aaaaaaaaaa	aaaaagatac	2220
attttctgtt	gtttggatag	tatatattact	catactagct	cactaactaa	acagagctgc	2280
agatcagttc	ttactccagc	acattcctttt	tacaacactt	aagatgacta	aatgcaacat	2340
gaaatgggga	agatttaaaa	aaagatggct	ttgacttcag	catgaaacag	atacaagtgt	2400
acgatgaaaa	tacaacctca	ataaaaagtgc	cacttaccgc	aaatgagtgt	aactgttcat	2460
caggatgct	caaagatcta	tctgcatctc	tataaaataa	gaaagcgcgt	tacttcaaaa	2520
actgttaata	tcttagtata	atatttggtt	agtaaaatac	tgctcctgt	gtgctttggt	2580
gtttaccaaa	gcagttttta	cgaattcttc	tcctggatcc	tgacttgcag	agggtttctt	2640
gacttcttct	ttctcagcac	atcatggcct	gtaccgtgaa	gtcttttata	tgataaccag	2700
tcagaaatgc	ccgtgagtat	tgactctccc	taacaggcca	tggcaataaa	ccaaacatat	2760
tttctactct	ctaaccacac	attgaaacac	aagaatgttc	tacaaagcag	tagtagtaaa	2820
cTTtaataaa	tgtaaagtgt	attcagattt	cctagcttcc	tttctcttta	gttctctgta	2880
gtatactctc	atgatgtatt	tatgtacttt	ctgttggttg	aatgacaaac	tcactgcct	2940
ttttaagacg	ccagtctttg	atgaacttta	aactttgtaa	aactaatgca	ttgtgcctgt	3000
gtataaacca	gtggttctcc	aaatgtgctg	tgtggacctc	tcgggatccc	gaagaccctt	3060
tccagaaggc	ctaagagggtc	ataactgttc	tttttttttt	ttttttttga	gaccaagttt	3120
tactcttggt	gcccaggctg	gagtgcgaatg	gtgtgatctc	ggctcatggc	aaccttcgcc	3180
tcccagggtt	aagtgattct	cctaccccg	cctcccaagt	agcagggatt	acaggcacct	3240
gccaccactc	ctggctaagt	tttgtatttt	tagtagagat	gtggtttcac	catgttggcc	3300
aggctgggtc	tgaactccta	acctcagggtg	atccgcttgc	ctcggcctcc	caaagtgtcg	3360
ggattacagg	ctgagccac	tgtgcctggc	caacactgtt	ctgaatcata	ctaattaaac	3420
ctgagaaagc	tgatgaaaaa	ttttaaaaaat	tttgtgaaagt	aatacaaaagc	cattgcctgc	3480
tctttcgttg	acacttgcca	tgattatata	aaagcaaaag	tgggtacaat	ggctgggtttc	3540
tcagcataaa	tcaaggcagt	ggtaccaatt	acattagtag	tcattctatt	cttctactgtc	3600
ccctacaggt	aaaaaacata	gcctgaattt	cttaagaatg	tctttgatga	agcagtaaaa	3660
attaatgttg	ttaaactcttg	acatgtctct	aatattctga	ataagtggaa	agttaaccag	3720
aagcgctttt	ttttttgttt	ttaaagaatc	cgtgatttaa	ctatgaactg	aaaaatcact	3780
tttttcacag	aacatcattt	ttatttaaaaa	gtacaactgg	gccagcgcag	tggtctcacgc	3840
ctgtaaaaatc	ccagcacttt	gagagaccaa	agcaggcaga	tggcttgagc	tccttcagga	3900
gttcgagacc	agctaggcca	acataacgaa	acctgtcac	tgtcaaacat	ataagaaaaat	3960
tagcctggcg	tgggtgccaca	catctgtggt	gccagctaca	aaggagcctg	aggtgagagg	4020
attgcttgag	ctgagatcat	gccaatgcac	tccagccaag	tgacagagtg	aaactcggtc	4080
taaaaaacca	gttcaactat	cattctcaaa	aataaatgaa	gtgagagggtt	gtcacttcaa	4140
gggaaatacg	tatttggtcc	caatgataaa	atttaagctt	tcctgtggac	tttgaaaaaac	4200
ttgttccttc	tactgtaggc	ttggcagcta	ttcaatactt	aaaggcgtgt	taaagtaaga	4260
ttggtgggtta	aactaaaagt	gattttttgac	acaataaaaac	ataaacggat	atattccaag	4320
taactaatgc	atgatattat	aaatgcaagt	atggagcaaa	agatccattt	actgtggaag	4380
aaagatcaat	gagtagctgat	ggaataaaat	tattaatatg	taaaatgcc	ccgtaactaa	4440
tttaagaaac	caccacttgt	gaagttttga	tttagtggtta	acaaatacc	acaactgtct	4500
gaaaagttta	aaaatacac	ttctaccaac	tacatatttg	catgaggttc	ggctcatctta	4560
ttgcttcttt	ttttcttttt	ttgagacaga	gtctctctct	gtcaccagc	ctggggtgca	4620
atggcgagat	ctcggctcac	tgcaacctcc	acctcccagg	ctcaagcgat	tctcctgcct	4680
cagcctccca	agtaactggg	actacaggca	tgcaccacca	cgcccagcca	ttttttgtac	4740
tttcagtaga	ggcgggtttt	accatgttgg	tcgggctggt	ctcaaactcc	tgacctcaag	4800
tgatccacc	acctcggcct	cccaaaatgc	tgggattaca	ggtgtgaacc	actgcgcccc	4860
accagcttat	tgcttttttt	gtttgtttgt	ttaggcagag	tcttgctctg	tcaccagggc	4920
tgcaagtcaa	tagcaccatc	tcagctctct	gcaacctccg	cctcccaagt	tcaagcggtt	4980
ctcctgcctc	agcctccaga	ataggtggga	ctacaggtgt	gtgccatcat	gcccagccaa	5040
gtttttgtat	ttttagtaga	gacgggggtt	cgctgtgtta	gccaggatgg	tctcgatctc	5100
ctgaccttgt	gatccgcccc	cctcagcctc	ccaaagtgtc	gggattacag	gcgtgagaca	5160
ccgtgcccac	cctcttattg	ctgcttttaa	gcaaattgca	aagaaagctc	tagagaatcc	5220
atgtgtctcc	tattaagctc	aacatgagag	actttaaata	atataaatac	atgacgcact	5280
ttttactcaa	ctttttgttg	tagaaaagtt	atttttcaat	gaaaaaatte	tgttaacaat	5340
actgttctca	aggaatatatt	tctgttggtta	taacctgggt	catgggttac	tactgatatac	5400
tagttggtag	aggccatgaa	tactgctaaa	ctctctgcaa	tgcaacaagac	agtcctcaca	5460
acaaagcatt	atctagccca	taatatcaac	agtggtaagg	ctgtgaaatc	taaactaaaa	5520
atagattttg	aaaaaatctc	aattgtataa	ttctaccaca	ctaaatatca	atataatcaa	5580

tataaacaca	tactctttga	gatttctcaat	catttaagaa	ttatgagagt	cttaaggaac	5640
aaagaaaata	caaataatth	gcttcaatat	tttagtaggc	acaatacagc	ttatgatgtg	5700
cctaacactg	agcttgatat	cttgcaaagt	acttagctag	aataacaaga	caggtttcta	5760
aaaagctcac	ctttgtgtga	tatgatgagg	tatctccaag	gtcacactgt	ggaaggaaaa	5820
aaaattcata	acaatagatg	ttaacatttg	ttaggcctga	agacattttt	taaaaggggg	5880
gcagaggaaa	ctctcctagt	ggccctgaaa	ttcaaattct	ctagttcaga	acagtaccat	5940
aagggcactt	tgttttcatt	tctttgtttt	ttacaaaaat	atgagaacca	aaatgcaagg	6000
aaatatgccg	ttagaagacg	cgtttctggt	ggtgattaca	atatataaat	aataacagat	6060
tctcttggtt	catgcttttc	tacccacgaa	acctttctgc	ccatgcgatt	tatttttatgt	6120
atthattttat	tttttgaccc	agagtctgtc	tctcttgctc	agactgggact	gcagtgggtgc	6180
catcttgact	cctcacaacc	tccaccaccc	aggttcaagc	gattctcatg	cctcagcctc	6240
ccaagaagct	gggactacaa	gtttgtgtca	ctatgccag	ataatttttt	tttgaggggg	6300
ggcggtgggt	ggagtttctg	tcttggtgcc	caggctggag	tgcaatgggtg	tgatctcggc	6360
tcaccacaac	ctctgcctcc	cgggttcaag	agattctcct	gcctcagcct	cccaagtggc	6420
tgggattaca	ggcatgtgcc	accacaccca	gctaattttg	tagagtgagc	ctcaaaacaa	6480
ctgaggggaag	gcaaatctca	attctactaa	taggtctaca	caatattagc	acttttttaa	6540
aagcctgtaa	catttagcagg	taagatggat	atgtctatag	tgcttcaagt	agttttcatc	6600
tctgaaataa	ttttaaaatc	acagaattta	aagttacatg	ctggaaagga	ccaatgacct	6660
tatgtgacat	ttaattcaac	actcgtttta	cagatcaggg	aaacagacct	taaaactgac	6720
ttgcccagg	tcccacaaa	taggagcagt	ttctcatcct	aaactcaaat	taagcagtgg	6780
ctgtcaaact	ttgctgcaca	ttaaaatcgc	ctgagaagct	ttaatatctg	cctcatcttc	6840
cacatgagac	atthtaattt	aattagtatt	gggtatggct	ttgggcatca	aggttcttgg	6900
taaacgtttc	ccagggtgatt	tcaatcagca	gcaaagtttg	gaatgattga	gttgggggtga	6960
aaatcagaat	cttctgggat	gcttttcttc	acagaaagat	gcctcacatc	catccccgatt	7020
ttcctaaaag	gcttctcagt	gcctagagat	agagggaaag	tgagatggg	aagatacatg	7080
tgtttgcaga	cttgtgtttt	gaaaaaaaag	cctgtgcgat	agagctgatt	gctgcaggcg	7140
aggtttgcc	gcctatccca	ctgacaacag	tgcactactg	attcatgata	aaacattttt	7200
caaaatatct	tcttgaagcc	aatttgccca	attaatttgt	tcaataactt	tatttcacca	7260
atagtgaata	caccaaatga	tcatttctca	aatttgctgg	tggaataata	aaacttacta	7320
tactctcaaa	agtagacttc	taaaaagtag	aataatgagg	aaaaaagcac	gaaatttggt	7380
tcagcaaaat	taatcttcaa	agctgctttt	gaattatatg	ctaacatatg	aaaatctttg	7440
gaactcagaa	gaagccaggg	actctagtca	aagtaatttt	tgtgtatgtg	tgctcagaga	7500
tttaagagac	ttagctgact	acagacattt	agtgtattac	caatagggtcc	caaagctcag	7560
gacttgagac	agagtttgag	tccagttttt	gttcgaaaca	caatttcttc	tcaactattg	7620
ttaaaaggga	gggaggaaaag	tgacattatt	atgagtgtaa	actttccact	tttaattgaa	7680
gtaaaagtta	ttgacaattg	aattagttaa	aaaggctagt	gcatttgaaa	caaaatttgt	7740
tataagctag	ttatgtgtac	agaatgaaaa	gttaaatata	agataaagac	attaatatct	7800
taaattagca	ctttccaaac	tgtgttctaa	aatcaagac	taataaccca	agaagatgag	7860
aataatgtac	actggacagc	ccctgtggag	ctggtgggtg	tggtgggtgt	tggtcccttt	7920
aaaataaact	tcatctcagg	gtgctctcaa	agcgcactct	tggtggccat	gaggtgctca	7980
tgcacaatgg	gagaaattca	aatgcagata	cactgcgttg	ccagaagaag	aaaagctggt	8040
ccttcttcca	aggataatgt	ccaaagtagt	gcacactgat	ttaggcctat	gatgcattga	8100
aaaactaagt	ttccacaaga	aaacattcaa	taaagggaac	ctatccttct	cactctgttc	8160
aacattgtct	aaaggcataa	aggcatcaaa	aagatacact	gtttctggga	ttgcttcttt	8220
gctaactgat	ttttccttcc	accacgacgt	ctaagattaa	aagagaaact	gatacttaat	8280
attcagaatc	tgatattcaa	tatatggttg	actccaattt	cttaaaactga	ttgctgaaaa	8340
ggacaaccaa	atgactgaaa	taatttttaga	ataaagggaat	ctgtccctcg	gcagcatagt	8400
tgtactcacg	atattattgt	cattgtaaga	taatgctgat	ggctgtgctg	tcatcaagga	8460
atattgtcga	acacaagctg	tattgttgac	tgaacgcac	agtagatacc	tgaaggggaa	8520
gggaagtgtg	agtcacactt	atcaaagtgt	attatthtct	cagttaaaat	gtcaaatgac	8580
aaagcactaa	gatattgtct	acactccatg	aactgcctga	gtgtgggtatc	atgtgcactc	8640
tatagaaaaac	ccattggagg	ctctcaactt	ccagagatga	tgthtaagat	atgggttata	8700
aatgtctgcc	cttaatatgg	tacctgtcat	caaacctaac	aaggatttta	tgaattaccg	8760
ttaaaaataa	tgggaaaagt	cggcttctcg	ggcgcggtg	gtcacacctt	gtaatcctag	8820
cactttggga	ggtggaggcg	ggcggatcac	aaggtaaga	gatggagtac	catcctggca	8880
aacatggtga	aaccccgctt					8900

<210> 9373  
 <211> 221  
 <212> DNA

<213> Homo sapiens

<400> 9373

ggtgggtgga	gtttcgctct	tgttgcccag	gctggagtg	aatgggtgtga	tctcggctca	60
ccacaacctc	tgcctcccgg	gttcaagaga	ttctcctgcc	tcagcctccc	aagtggctgg	120
gattacaggc	atgtgccacc	acaccagct	aattttgtag	agtgagcctc	aaaacaactg	180
aggaaggca	aatctcaatt	ctactaatag	gtctacacaa	t		221

<210> 9374

<211> 413

<212> DNA

<213> Homo sapiens

<400> 9374

gagacagagt	cttgctctgt	cgccaagatt	ggagtgtagt	ggtgcgatct	cctccacctc	60
ccgggttcaa	gcaattctct	tgtctaagcc	tcccagtag	ctgagactat	aggcatgtgc	120
caccatgccc	agctaatttt	cgtattttta	tagagatggg	gttttgccat	gttgatcagg	180
ctggtcttga	actcttgacc	tcaggtgatc	cacccatctc	agaatcccaa	agtgctggga	240
ttacaggcgt	gagccactat	gcccggcctc	ctactatttg	taataggaga	tagggtcaga	300
taagggaata	aaagcaggct	gccccagcca	ggggcagcaa	ccagctcagg	tccccctcca	360
cactgtggag	gctttgtttt	tttgcgcttt	gcaataaatc	ttgctgctgc	tca	413

<210> 9375

<211> 12562

<212> DNA

<213> Homo sapiens

<400> 9375

gtcctaagaa	aagcaaagg	tagttcatta	cttgaagcca	tcttcctcta	tgagttctat	60
acaaagcctc	agtagagtgg	gtccaattag	caaccaagtt	gaacaacttt	tatttgctga	120
ctaaatatag	atacacctga	attgttgact	gcttttgtaa	ctaaacactc	ctctcctgtc	180
ttccaacgag	tggtcatttt	tgtccgcaac	ttgaccacag	caatccctgg	ggccctagct	240
ctactctcaa	taaagagtta	tggctgtgtg	ttttgaatga	caccttagga	ccatcctgc	300
ctccacctcc	ttctccataa	aatagaaacc	taacttgccc	ctccaagctc	tgaaatgctg	360
aaacttacca	actccctttt	ctccccgcta	tttcttcctt	ccgtggcagg	gactttcagg	420
ttttctttct	tttactaaca	aggcactaag	catgattttc	tcatacaaaa	tcgagagcca	480
taaagtggct	taccacagtc	ctattttcaat	aaagatgaat	actcgacatc	tggcaagtag	540
tgtgtgcctg	acagtgtccc	cactgtgcta	tgtctattta	accctcagaa	acaatctcat	600
gttacagatt	ttgcagaagt	tgttgagacg	gagaaggtaa	gcaacctccc	caaggtcaca	660
tgactgctaa	gggtggggcc	atagtttgat	cccagctagt	ctgaattccc	cagttgctta	720
agcatgatta	tcagaaagta	tagcagctcg	ttttcacact	gataaaaga	aatacctcag	780
gttgggtaat	ttttaaagga	aagaggttta	actgactcag	tttcacatgg	ctggggaggc	840
ctcaggaaac	ttagaatcat	ggcagagggg	gaagtccttc	aggaaaactta	caatcatggc	900
agaagggcag	gtccgacttc	catgggtggc	gcacagagag	tgggaacatg	tgaaggagca	960
actgtcaaac	atgtataaaa	ccatcagatc	tcagctgggc	acggtggctc	acacttgtaa	1020
ccctagtact	ttggggaggcc	aaggcagggtg	gatcaactga	ggtcaggagt	ttgagaccag	1080
cctagctaat	gtagtgaat	cctgtctcta	ctaaaaatac	aaaaattagc	tgggtgtggt	1140
tgtgcatgcc	tgtaatccca	gctactcagg	aggctgaggc	aggagaatca	ctggaactca	1200
agaggcagag	actgcagtga	gccaagatcg	tgccatggca	ctcctgcctg	gacaacagag	1260
caagactcca	tcccaaaaaa	caaaacaaaa	caaaacccta	taagatctca	tgaggactta	1320
ctgaatatca	caagaacagc	atgaggataa	ctgccccctg	gatccaatca	cctcccccta	1380
ggccccctcc	tcgacacatc	aggattatgg	ggattataat	tcatgatgag	atttggtggt	1440
gggcatggca	aaaccatatc	agaaagtaaa	ggtagaagtc	aagcttggat	gggaaatgac	1500
attgtagatg	atgatgatga	tgattattat	tattattatt	attattattt	tgagatgaag	1560
ttttgctctt	gttgcccagt	gaaattgttt	ctctaatttc	attttcagat	tgtgtcttgt	1620
agatgtatat	aaatacaatt	gataaatgat	tctggctatt	aaccttttat	gcttcaacct	1680
tgctgaacac	tatttttttt	ttttttgaga	cggagtttct	ctcttggtgc	ccaggcagga	1740
gtgcaatggc	atgatcttgg	ctcactgcaa	cctccgcctc	ctgggctcaa	gcgattctcc	1800
tgcctcagcc	tccaagtag	ttgggattgc	aggcatgcgc	caccatgccc	agctaatttt	1860



gtatttttag	tagagacggg	gtttctgcac	gttggtcagg	ccgcctcag	cctcccaaag	1920
tgctaggact	acaggcatga	gccaccgtgc	ccagccagat	tcgtatatatt	ttaaaagaat	1980
ttttttttta	ttttttttga	gacagagtct	cactctgttg	cccaggcagt	ggcacaatcg	2040
ttgctcactg	caacctccac	ctcctgggtc	caggtgattc	tcattcaagt	gcctaagcct	2100
ccaagtagc	tgggattaca	ggagcccaac	cccatgctca	gctaattgttt	gtatttttagt	2160
agagatgggg	tttcaccatg	ttgctcaggt	tgatctcgaa	ctcctgacct	caggtgatcc	2220
acctgccttg	gcctcccaaa	gtgctgggat	tgcaggcgtg	agccaccact	cccgaacaga	2280
acaacattttt	tttgatgtgg	attttaaaat	gcctccccct	ctttcaacat	tgattaagtc	2340
ccttctacat	gccaggcact	gtatgtgtga	aatagtccca	actctcaatg	agtgtaggca	2400
gatacacaaa	caaagcctta	aggaggtcag	ttttctgaga	ccatactgct	ggacagtata	2460
tgaacctggg	atacaaacc	acctctatatt	gacctcaaat	ttgatgctgg	gggtggtttta	2520
attttatttct	gggaatttca	gtcattgaac	catgaaaagg	tgaaaagtct	ctgtcagatg	2580
tgtgtgtagt	ggtctgtata	ataaggactg	aaggaagcaa	ccaaacaaat	taagagactt	2640
tctctaaaagg	cagagtaatg	ctaaggcgag	tggcagtgac	aaaagcggag	gaaaaagtct	2700
gtgatcattt	gggagacaga	ataggaagtg	cttggtcatg	agatgtgaaa	gaagagggga	2760
agtagaagga	aaacagagct	gctcaggctc	tgctggggaa	gactgggtat	gtagcagtg	2820
cttcctcctg	gccaagaatg	taggaagaga	aataggttaag	gaggaaaaga	cagtttttta	2880
ctctcagtg	cacattaaaa	tggaaactctc	tggcctcaaa	ttgaatataa	atctctgtag	2940
gctaagtgca	tttgtgacat	cccaacatat	gttttcaaaa	ataacatata	tactaaatca	3000
agccattaag	cgtaactggg	gaaatttctc	aaaattttaca	tgctaaaaaa	tcaccatttt	3060
tcattttatta	gtttcatgga	gcaactttga	atctatgggt	acagcaattg	aggcaccttg	3120
tataaaataa	agctaataca	tgaaaaaaaa	aagccattta	aaattctgtt	gttctcagag	3180
aatggagaaa	gcaattgaag	ccatgggtgt	ggaggtgact	gccttgagaa	gctgtgtata	3240
gtaaggagaa	ctgggaagaa	agaagacctg	gagaataggg	tgatttgcac	ggcattaagt	3300
gaagcttgca	aaagtgaaga	ctgagactga	agagacctgc	atatgaatca	ggaatggctg	3360
ctcctgtgag	ttgttagaaa	ggagatgatc	ccttcttttc	atatctataa	cagcagcacc	3420
tagcacagtg	cctgttcaat	aggtactcaa	catgtattat	cccaatgcag	agtc aaattt	3480
tgccaggagg	gcaggaaagc	cacaaattag	ctatggcaac	ttagtattg	ggcttgtgtg	3540
tgtgtgtgtg	agcgagctgg	atgtcaggca	gtgggtaaag	tagtgaactg	gaggtgagaa	3600
aacaatgaca	caaactcagg	gcttctcttc	ccaagtattt	ggctgagaag	agagatgtag	3660
tattaaaggg	agatatgtgg	taaaggaaga	cttttattcc	aagattcaac	aaaagcgtga	3720
gtatacttct	atgttaaagg	gaaagagcca	acagagaaaa	cacatttttg	aggttagaag	3780
agaagggaaga	actaatggac	aaggggccca	aaaggcacag	gtgcctgcaa	tctggatcag	3840
ggacagatta	gctttggact	cctacaaaag	caagaaggga	gaaaggacca	tgtgactcta	3900
gagatatttc	tggtaaaggga	aagggttagg	aaaagatctt	ttgatgacct	ttattttaac	3960
agactttttt	tttctttttg	agatggagtc	ttgctctgtc	acccaggctg	gagtgacgtg	4020
gcacgatctc	ggctcactgc	aacctctgcc	tcttgggttc	atgccattct	cctgcctcag	4080
cctcctgatt	agctgggact	acaggcaccc	gttaccatgt	ccagctaatt	ttttgtattt	4140
ttagtagaga	cgggggtttca	acgtgttagg	caggatgggtc	tccgtctctt	gacttcgtga	4200
tctgcccgc	tcggcctccc	acagtctggg	attacaggcg	tgagccactg	cacccggcca	4260
gactttaaaa	aaaaaaaaaa	aaaaaaaaaa	aactactgtg	ggaaaaagga	tattatgtat	4320
agaaaagtct	acacttcttg	atacaactaa	ataaaaaaag	cctgatacac	taaacaaaac	4380
ccaaataatg	tcttccttaa	aagtgggtaa	cttgaaaagc	aatttgagca	aaaatcaagg	4440
agttcaatta	taaataagta	tatcaacaaa	gtgaaagatg	ggtttaattt	ttcccacaaa	4500
aagttaaaag	aaataacagc	aggttttagag	gaagaggaaa	aaataataag	aaaattatat	4560
gcagttgcaa	aatgtgtgac	tatttacaaa	ctctaacata	taactacaaa	atggaccaga	4620
agaatcatta	tcataggaag	caaagggtca	tttcaaaaat	cagaggaggg	atgattcata	4680
tttaatttaa	ttctgtggaa	aaaattttaag	taatgtttga	ggacaaaaat	aggtgatgtg	4740
ttgaaatgcg	ggaaaccaca	gtggaaggaa	aaataattca	agaaagctca	gtttcagtaa	4800
ccagtatcta	gtaaaatctt	caggacctag	aggctacaat	ctgcattaat	agtgtctgaa	4860
gacctagaaa	tgtcattaaa	taccattttg	gataattctt	gtagacttga	gatgatgtct	4920
atttaaagtt	acaaaatagt	gcccatattt	ctgtattcat	tacagaaaac	aattggatat	4980
ggaaaagaaa	ctaactatgct	atgccacaat	ctctaaagaa	agattaggga	agtttcagct	5040
taaagcaaga	ataatcacaa	taaagtttta	caaccctttg	caagcatata	tgaaaaactt	5100
acaaaaagtc	tgtaatgatc	ttttcttaag	ctaagagaac	agaaaaaatg	agaaaaatta	5160
aattataaaa	tgaaactttg	gttttagaggt	aagaaacatt	tgatgacagt	caagagatca	5220
gggttgatca	gtgtattatg	tgaatgttgt	gactcattgg	tttcatcttg	gatatcataa	5280
cttgacattt	tgtaaaagtg	atttttctat	ggagtttctg	caggtgccct	atgaagtcct	5340
gtcccttttag	aagcgaataa	tagtcttcca	cattcttttg	atatcttaat	gaataacatc	5400
ttctacagtc	ttccattgtt	tagaccttgg	agagacacgc	attagtgact	gttaaggtag	5460
ctgggttatt	aggtgcctgt	agactatgcc	cagtgatatg	tgcattaggt	acatgctccc	5520



tagctgtgct	gacactgact	gaagctgtga	ggtttcacaa	tgacatgtca	gccaaataca	5580
tatgctcaga	tttaccattt	atcaagaggt	cttcaçacta	tcaattgtgc	aattatcatt	5640
ctacacacag	gcagcgataa	agggagtaaa	aaaacacagc	catggatcgg	gagaccaagg	5700
tacctccaga	ggagtccagt	gggtccagaa	gcccttttga	tggtggtcag	aagctcctct	5760
tgggagagaga	tcacagcagc	agccaacagg	tctggagaag	accttacagt	tctcatggac	5820
aaagtttgtg	aaggcatctt	agacaagatc	ttgtctttgc	tggttttatg	atcctctgca	5880
gatgggtcta	ttctcattac	ctcagccacc	tttcacttcc	tatcagttca	gttcaggtct	5940
ctaatgatcc	caggcagcag	tagttgttat	cacgtaagtt	cattcatata	tgtttatctc	6000
tggggatggg	gggacaactt	cactgtggac	ttaattctac	tggagatgag	tgaccccat	6060
ttaagacaac	aggatcacaa	attattatca	catatcagca	gggcagacaa	tagctacgac	6120
ctggggctga	aagcaggtaa	ctctattttat	tctgcaaaaa	ttctgtcttg	attatgggtgc	6180
cagttgctgt	gagggatttc	ctttctagaa	cctgtttttc	acaaggtttg	agtctgaact	6240
gttaacattc	tactgatttc	tgggtgaagg	gactgactgc	accatcctag	cctgtcagag	6300
cacttgcccc	aatacttcca	ctttaagagt	tttccacctt	gtccagaact	acagtccact	6360
aatccccctca	ttttctctct	taagagaata	aacaggccag	gtgcggtggc	tcacgcctgt	6420
aatccccgca	ctttgggagg	ctgaggcggg	tggatcatct	gaggtcagga	gttcgagacc	6480
aacttcgcct	acgtagtaaa	acctcgtctc	tactaaaaaa	aaaatcacaa	aaattagccg	6540
ggcgtggtgg	caggcacctg	taatcccagc	tactcgggag	gctgaggcag	gagaatccct	6600
tgaacctggg	aggcagaggt	tgcatgtgagc	caagactgtg	ccacagaact	ccagcatggg	6660
cgacagagtg	agactccctc	tcaaaaaaaa	aaaaaaaaaa	aaaaaaagag	agaaaaagag	6720
agagacagag	aataaacaac	ccatgtcaag	tacacaccca	catccctctt	atcccaaata	6780
ccaaacacac	aaaaatccaa	tctgtctcct	tctacctaag	caattgcaga	tagtcacatt	6840
cccataatta	ccttaagctc	cctgacttgc	tgctcgtcct	ttctctggca	aaatctcatc	6900
cttggtatgag	cccgactttg	tgtttgctca	atgacaccac	tcacctgaac	cagaaaaaat	6960
atcaaaaagt	ggtcagagat	atcatcataa	attcaaatta	cttacataaa	aaattggccc	7020
taaatgtttc	cagaaatcaa	taaaagtttt	gtttctccaa	agacatcatt	tcttcagaaa	7080
cccaacgtgt	ataacctatt	ttttctatgt	tcttctaaca	ttcattcaac	ttctctcatc	7140
tgatatcttg	ccaaatcatt	caaagagaaa	atatatccca	ttagtcaaga	gccaaaccata	7200
ttcccatcac	ctgagaaaaat	catatgcaca	ggatgcgccc	acctcacctt	tctctgcctc	7260
atgtcagaaa	aagtaccctt	ccttttgtca	caaggcaaac	ctgagataaa	agatttagat	7320
ggcctgtaat	tccagcacta	agggaggcca	atgcatgcag	attatttgag	tctaaaaaag	7380
aagcctaagc	aacttaggga	aactgcatct	ctcaaacaaa	tacaaaccat	tagcctagca	7440
tggtgggtgtg	gtggcacatg	cctgtagtcc	cagctactca	gggtggggag	cactgaggtg	7500
ggaggatcac	ctgagctgga	aggttgtggc	tgcatgtgagc	cgtgatcacg	tcactgcact	7560
ccagccaggg	taacagatat	tttttaaagg	atcttctctg	ttaaaaataa	tcaaataaac	7620
aggtggccat	gaggtctgagg	tggtctcagt	gcactcaatt	cctccttaaa	taaccacaaa	7680
cttgactcag	tgtaaataat	aaaaggaaac	ttaagtttaa	ccagtcagaa	accaccaact	7740
aacatctaac	tagagacctt	ccactgtaat	gttccaaatg	aggccactgc	tccacttcac	7800
ccaatcaagt	attttctttt	tcttccacat	tcaccatata	aaattcttcc	cccaccctcc	7860
ctaagcctct	ctgtggggacc	tctgagctgc	ttgcagctctg	gggctgccta	gtttatacat	7920
ttctgaatgc	tcaaataatat	tttctaattgt	ttcaaagtgg	ctctgggtgta	ggaggttggt	7980
ggtggagtga	cccagagta	tacaggaatt	gaggccatat	gagatctctg	gaccctgtac	8040
tccattttgc	tctcactca	atactactct	aaaataataa	tatatcttta	aaaatctata	8100
actatcacgt	agcccttttc	aagtctccaa	ctggttggag	ccagttcgat	taaagctcag	8160
aaaaaactgg	ttaataagct	agttctgacc	caactggcaa	gaagcggcag	gaaagaccca	8220
ggccaggggga	gcatattgca	catgcatgca	ccaggaaact	ggaggaagct	tggaggccct	8280
ttagcctggg	cctgagcccg	ctgaaactgc	agttacaggc	acagatgcct	ggggcaccaa	8340
tctgaatctg	ccaacatcca	aggccacatg	aacacaaatg	cacagtctcc	tctgcgatcg	8400
gtagctaagg	atggttaggct	atgattggac	taggatggga	gatgaactga	gaactctgga	8460
ttctgtaggt	tgttgttgtc	tcttcccacc	cccaagcaac	aagtgatgaa	cacacacaca	8520
cacacacaca	cacacacaca	cacacacaca	tcccgtatgt	actaacagga	tctccctcca	8580
ggggatttgc	aggaagggga	gcagaaaaaca	tcccaggggc	ctttcacagc	tacttccctg	8640
agcccccttt	cagacagtgc	tgtctagacc	tgtctcagcc	caagcatcac	caccctgata	8700
cgcagaagct	ggcatcctta	cctgaaattc	aacatcaaga	aatgatctct	tctactcaac	8760
actgatagaa	atacctctaa	gcaacgtcct	cattggcagg	ggtggagtgg	gggagtttct	8820
taaaaagtga	ggcctctgcc	taccacctag	agaacctgga	aatttccatc	tgtgccacaa	8880
agtccaaatc	actggccact	gccccagtgt	atggcagatt	agaacatctc	tccattggat	8940
ctgggtttct	attccattga	gtgaaatgcc	ttttctacta	caggaacaga	ataagggatc	9000
aaaagggtct	tacaactgaa	ctccagtgtg	cagctgcac	agacactagg	cttgtgcaaa	9060
tatgacacag	cgacccttaa	ggacccttaa	gccagctgaa	tgtactgagt	ttcaggaaac	9120
agtgagatac	attcagcaaa	acagtgggct	tcatgtctgaa	agaagtcaat	ccaagtaaac	9180

acacatctca	cacacacaca	cacacacaca	cacacacgca	cgcacgcacg	cagacaccct	9240
agtggccaat	aggtcctctc	acaaaaaacc	tgcgatcagg	agagcagaaa	gcctcccagg	9300
gtccaccac	tgccctttct	gtagcccctt	atcagacggc	cagcctcagg	acagcactgt	9360
ctgatcctgg	tccagcccaa	accgccatca	ccctgtgatg	tgggagcagg	ccacttcacc	9420
agaacctctg	tggcagaaaa	atctctttct	tttaaaatga	tgagggggaa	ccttcagaca	9480
gtgtcctgat	tagggtgggt	ggagaggggg	gtttcccaga	aagtcaggca	gggcagggca	9540
gaagccctct	gggttaactg	tgtgcttttg	atatgaaggc	aggtaagact	ggacaggtgg	9600
gggtgttagt	gaggggatgg	tgtagggtgc	tgaagaactc	cacttgggct	ctgcgcacca	9660
gggaaaatga	ccacaaaaca	tcccatcttc	actgctcaga	gaaggctaga	tctgctgtga	9720
gctaggaagc	catgtggggg	cagctgatga	gtcatcaa	gggagaaatc	tgagagccat	9780
gtgttccaca	ggcctctggg	ccttggttcag	gcagcagggc	actgtgagat	gtggctcctt	9840
ggccctttcc	agccaccacc	ttgattgcct	gctgcaagga	aagagactga	agcccaagaa	9900
tggggctctt	ctcaccatag	gatgatggct	cagtgtgcag	agctgagcta	tggcccaaga	9960
ggcaaaaggt	ggggatgacc	caggctgagc	tgggggatcc	aactgaacat	gcacttgcta	10020
agaagctgtg	ggctatgatg	ccttgggacc	ccagtctggg	tcgagaattg	tagcaaaaca	10080
ggctactggg	aaaagttctt	gggaagccaa	ctcacttttg	ctttcatccg	tgggcaaaaca	10140
aacctctgat	caaccacacc	acaatgggtg	cactctgtaa	ggcacaggca	gacaaggcat	10200
ccagccttgc	acactccagg	gcccacacat	gtccagaata	caatggttct	tgttgagact	10260
ccactcttcc	aactcagaca	gaagctcccc	aatctctctc	gccactccca	acaactggag	10320
gtctgaaaac	tttcatgcat	gccgctatgg	tctaaaccac	tcgtgggtgg	tttgattttc	10380
atcttctctg	taatcagtga	tgctgagcac	ctttccatat	gccttttcac	caactggata	10440
tcttctgtgg	ctaaatgtct	attgaaatcc	attgcccatt	tacaaatctg	cttttttgtg	10500
ggcttcttga	tgtttttctt	tttttttttc	ctattttatt	atacaagttc	cttagatatt	10560
ttggatattt	ttaaaaatga	ttttcaattc	cattgcccc	gttataaatc	tttttttttt	10620
tttttttttt	ttttgagaca	gagttttgct	gttgtgtctc	aggctagagt	gcaatgggtg	10680
aatcttgggt	cacagcaacc	tccacctccc	aaagtcaagc	aattctcctg	cctcagcctc	10740
ctgagtagct	gggattacag	gcatgtgcc	ccatgcccgg	ctaatttttg	catttttagt	10800
agaggcaggg	tttctccatg	ttggtcaggc	tggtcttgaa	ctcccgggtc	cagggtgatc	10860
gtccaccttg	gcctcccaaa	gtgctgggat	tacaggcatg	agccactgtg	cccggccaat	10920
tatccctttt	tgtggttttt	ttttgggggg	ggtgggggga	agaacagagt	ctcgctctgt	10980
caccagctct	ggagtgcact	ggtgtgatct	cggctcactg	cagcctccgc	ctcccagatt	11040
ccagcaattc	tcttgactca	gtttcccggg	tagctaagat	tacgggcgcg	caacacatgc	11100
ccagctaatt	tttgtatttt	tagtagagac	ggggtttcac	catgttggcc	aggctggtct	11160
caaactcctg	acctcagggt	atccaccac	ctcccaaagt	gttgggatta	caggcgggag	11220
ccaccactcc	cggccccatt	ttgtgtttta	acatcagtcg	acactcgtat	tttaaaataa	11280
taacaatgaa	tggcgggtacc	ttagaacaag	gtaattatac	atctttctct	tgtcctagt	11340
cagacatttt	gtctataaaa	tggtattcac	agatgaattc	atgaaaacat	tactgtgaat	11400
tttaaatcca	tatacaagtg	tatgcttggt	catgaatact	tcaataaaat	aaaactaata	11460
gcaaaaaaga	attccagagt	tgaagcagtt	tcaggaaaaa	ggagtgggca	gtatgaagta	11520
aaatagaaaa	aaatgggttt	tttttttaaa	gggtatattt	gtgtctacaa	ctttttttta	11580
attatagcat	tagacaatgt	gtatatatat	atacatatat	aaagcaatgg	aagtggcatt	11640
gttttctac	tagtctagga	tattaaaata	tatgtaatat	gtgattggca	aaataatggc	11700
cccccaaaga	tgccacacaga	ttcctagaac	cttacatgaa	aacggtagat	catgcatgtg	11760
attcaggtaa	agaccttgac	atgaggagac	tacctgggtg	ctatggaatg	aacgttgtgt	11820
tccgtcaatg	ttcatgtggt	aaaatcctaa	ccctcaaggt	gatgggtatta	ggagggttaag	11880
ccttacggga	gactctgccc	tcatgactgg	gattagcacc	ttattacagg	cacaagggag	11940
cttgtttgtt	cctctcacca	tgcaagagaca	cagcaagaag	gaagcctcta	tgagaaagca	12000
ggccttcacc	agacaccaag	actgccggca	ccttgatctt	gcattttctc	gcctccagga	12060
ctgtgagaaa	cgaagttctg	ttattttata	gctacctggg	ctaattgcatt	tccttgtagc	12120
agcctgtatg	gattagagca	gtgggctcat	gtggatgatg	acgggtgtgtc	cattcaggac	12180
taagtaagca	catgagtcct	taacagtgga	agagaagggg	gaaggaaaaga	gccacagaga	12240
catgtggcca	cagaagaagg	gtccatggga	tgcaagggtg	ctaattgggtg	gagtgagaaa	12300
gagcccaaag	ccaaaaaatg	caggcagact	ccagaatgtg	gaaaaggcga	gaaaaaagat	12360
cccctagagc	ctctagagat	gaaggtagcc	tttccaccac	ctagattttta	gcccagtgag	12420
atccacatca	tactctgaca	tacaggagtg	taataaattt	gttttatgcc	ctgacatagt	12480
ggtagtttgt	tgtagcagca	atggactagt	aatatataaa	tatatatata	cacacacaca	12540
cacaaacact	acccccccac	ca				12562

<210> 9376  
<211> 474

<212> DNA  
<213> Homo sapiens

<400> 9376  
 tttgagatgg agtctcactc tgttgcccag gctggagtgc actggcacaa cctcagctca 60  
 ctgcaaaatc catctctcag gttcaagcga ttctcctgcc ccagcctccc tagtagctgg 120  
 gatcacaggc gtgcaccacc atgcctggct aatttttcta tttttaatag agatgggggtt 180  
 ccaccatggt ggccaggctg gtcctaaact tctgacctca ggtgatccac ccacctcagc 240  
 ctcccaaagt gttgggatta caggcgtgag ccaccgtgcc tgggtcaaatt tactttcttg 300  
 ataggtgtca gaaaataagg aaagtctgaa gaaaaaaaaa ttgtctaaaa tggctgcatc 360  
 ttggccatat gggtaataga aaccgggcct atgaacgaaa gctgaacctc acctgcaagg 420  
 ccagagtctg tcaaatatca cactgacagg caccgattac aacctgccta ttgg 474

<210> 9377  
<211> 1349  
<212> DNA  
<213> Homo sapiens

<400> 9377  
 gtatgacata aatttttcctt ctttttactt tcagccttca aatatttgaa ttcagtttct 60  
 tgttcacatt tgggtcatgt ttgttgctgt ttttttggtt tgctttggtt tttgtaaatt 120  
 tcactctgcc atctctgttt ttaattagta tatntagagt gcttatattt aatgtaatta 180  
 ttgatattct aggggtttata ttgcccattt tatttttctt ttcttttttt acctctgttt 240  
 cttatttctt tttttataat cctgctttcc tgtggattac ttgaatatac ttttaaattc 300  
 cattataatt tatctatagt gttttatatg tatttctttg taggcttttt ttagtagttg 360  
 ttcttcatat tacattatag ataacttatt gccatctatt ggcactctgat cataccattg 420  
 tctgtgaagt gaaaaacact taccttcttg cagattcttt tgggtctttt tatttagaag 480  
 ataattatct taaatatttc atctttatat atttagttat ataacttttg cttcaaccat 540  
 taggtatgat ttagaaatct caaaagaaga agaaacctac tgtgtttccc catagttaaa 600  
 ctcaactctga tcttctttttc ttctctgatct tccaagatat cctcttttat tgttttcttt 660  
 ctgttttagag atgtttcttt aactgttctc ttaggataag tgttttggtt acaaactctca 720  
 gaactcttag gggttttggtt tctttctttt tttttttttt ttagttttgt tttaaacgtg 780  
 aagatttctt gatttcccct tcattcttaa tatgatatct catgatagaa ttctgaatgg 840  
 actgccccct tgcctacttt ttttttttgc tataactgaa caatattatg ccacttatcc 900  
 tggaaacttca cagatattta tgagaaatct actctcattt gaattcccat ttttctatca 960  
 ttgcctctaa gattttttta atccaataaa aaatacaaaag ttttagcaaa aacatggtaa 1020  
 attccagcaa gaaatagaag atacaaatct gtttttatta ggagttatta tatatttatg 1080  
 gcatgttcat cctgactagg gaaatcgcaa atcctccttt aatatccatc agccatcaaa 1140  
 attattttaa atataaaaaca aaattattta agatataaaa gagaatcaca tggatatattt 1200  
 caaattataa atatgataac tgaaataaaa aatctaaagg agggctcaaa agcaaaatgt 1260  
 aggtgatagt gagaagaagc aaagaacttg aaaacataaa aattaccag tatgatcaac 1320  
 agagagaaaa taaaccagaa aaaaaccaa 1349

<210> 9378  
<211> 302  
<212> DNA  
<213> Homo sapiens

<400> 9378  
 tttttttttt tttttttttt tttgacagag tcttgctctg tcgtccaggc tggagtgcag 60  
 tggcgcgatc tcggctcact gcaagctccg ccttccgggt tcacgccatc ctctgcctc 120  
 agcctcccga gtagctggga ttacaggcgc ccgccaccac gcccggttaa ttttttgtat 180  
 ttttagtaga tacagggttt caccatgtta gccaggatgg tctcgatctc ctgacctcgt 240  
 gatccacccg ccttggcctc ccaaagtgtc gggattacag gcgtgaacca ctgtgcccgg 300  
 cc 302

<210> 9379  
<211> 10364

0950083-091201

<212> DNA  
<213> Homo sapiens

<400> 9379

cccctactcg	cccttccgca	tccatgctct	gcccactggg	gatgccagca	agtgcctcgt	60
cacaggtggg	tgcccacccg	ctgcccgtgc	cctgctcacc	accagccccc	tcaaagcccc	120
tccagaacct	ggcctgggtcc	ccaggggtct	gctgggtcga	gagcacacat	gccctagccc	180
tggccctcc	ctccctcacc	cccgcccaat	gccccagccc	acgttgagca	ccgcctggcc	240
tcacactctt	ctctctttcc	agtgtccatt	ggaggccatg	gcctgggtga	gtgccctttc	300
tctcctcttc	ttgggtgtggg	ccaggggtgt	tggcggtagg	gggcgggcag	cgggaacaga	360
gagggctggc	tccagcccac	cagctccctg	agcaggatct	cccgcattgg	aggtgcctgc	420
ctgggcccct	gaatccagat	tgggcaggag	acggtgatca	cggtggatgc	caaggcagcc	480
ggtgagggga	aggtgacatg	cacggtgtcc	acgccggatg	gggcagagct	cgatgtggat	540
gtggttgaga	accatgacgg	tacctttgac	atctactaca	cagcgcccga	gccgggcaag	600
tacgtcatca	ccatccgctt	cgggggtgag	cacatcccca	acagcccctt	ccacgtgctg	660
gtaagtctct	tagccacagc	aagactagat	ggctggggag	gggggccttg	cccttttagc	720
agcagcaggg	atcccagata	actgtcccca	aggaatccca	cttctctgag	ggctcctggg	780
gccagagtgc	tccaggatgg	agccttaact	ttccccacag	cacccccgaa	gtgggaggag	840
agcatggccc	tgccccctgc	ccagtgtctg	cagctgtctc	tggaggaacc	cgctgtgctc	900
tccaccatcc	ccagctccat	ctccccagag	gctgccctgc	aggaggatga	acacccaaat	960
tatcaccacg	catttcaggt	tcctggggca	ttctctgagt	cagcccctag	gcctgtgagg	1020
ctgccacacc	ctgtgcccc	gtgccttgcc	tccccaggcg	tgtgaccccc	tgccgcacga	1080
ggaggagccc	tctgaagtgc	cacagctgcg	ccagccctac	gtcctctccc	ggcccggcgc	1140
ccgccccaca	cactgggtac	tgcgcctccc	accaggcgat	gtcctctctc	tcctccccct	1200
ccttcatttc	ttctctctac	tcctctgcag	ccagggcggg	gacatggtct	gggggcctct	1260
tggggagcag	gcaagagtta	ggctgggcag	atggaacccc	acttgggcac	agcactcctt	1320
ctcttgacgc	tgacgcacct	ctcctgccac	gctggtttca	tgattaaacta	ccttgttctt	1380
tcctcactct	ccagcttcag	tcatagcatg	ggtcaaactc	ctgggccttc	cccagtcact	1440
gactgttccc	tctcacctgc	tgcaggccac	agaggagcca	gtggtgcctg	tggagccaat	1500
ggagtccatg	ctgaggccct	tcaacctggt	catccccttc	gcggtgcaga	aaggggagct	1560
cacaggtact	gccctgtggc	tcccaggcat	gagggctgag	gggagaaacc	ctcttcagg	1620
cccagtccct	tgtcttaatg	atgaaaacaa	aggcccagag	agaggaagtg	agctctaccc	1680
agggtcacac	agcaagttgg	gcagagccag	aactcagggt	caagccatct	gtccccagtt	1740
cagggtccag	gccactgcca	caggctgtct	cttgatgcct	ggcttctcgg	gtggcagcag	1800
aagcactcag	gaccaggcct	gggacagcag	ggaggttgca	gtgggggaaa	ccagggtctc	1860
cacgtaactg	tgtctgccct	gcaggagagg	tgcggatgcc	ctcggggaag	acggcacggc	1920
ccaacatcac	cgacaacaag	gacggcacca	tcacggtgag	gtatgcaccc	actgagaaag	1980
gcctgcacca	gatggggatc	aagtatgacg	gcaaccacat	ccctggtgag	ttaggggctg	2040
ggctgggctg	gggcttgggt	gagaggagca	ggccgtagct	tcagtccctg	cttccctctt	2100
tcaacaaata	tttattgagc	acccgctgtg	tgcagacacc	aggcgaggcc	ccagggaggc	2160
ttataccctg	gtgggaagca	gacctccacc	agctgggtcc	ctacggcaca	gacggagggg	2220
gttggcaggg	aggtgtctgg	aaggtgctgg	ggccaagggt	ggctcagata	atccctgatg	2280
ctgaccacgc	cccccttttc	tctgtatccc	cagggaaccc	cttacagttc	tatgtggatg	2340
ccatcaacag	ccgccatgtc	agtgcctatg	ggccaggcct	gagccatggc	atggtcaaca	2400
agccagccac	cttactattt	gtcaccaaag	atgctggaga	aggtgaggga	gctgcaggtc	2460
gcaggctggg	gtggagactc	accaggggca	ggggtgaggg	caggacctct	gatcttggcc	2520
acacctccac	ctacaggggg	tctgtcactg	gccgtggagg	gccccatcaa	ggcagagatc	2580
acctgtaagg	acaacaagga	tggcacctgc	accgtgtcct	atctgccgac	tgcgcctgga	2640
gactacagca	tcctcgtgcg	cttcgatgac	aagcacatcc	cggggagccc	cttcacagcc	2700
aagatcacag	gtgaggcggg	tgtatgggca	tgtacagccc	atgaggcaca	cacaccgcat	2760
acagtgcact	catgtgcaag	cccagcccg	tcaagtcact	cgtgacatta	gggcagaggg	2820
ccttcaaggt	gtgaggggtc	atattttgat	aaatgtaaaa	acactctgtt	ctccacggca	2880
gctaagaagc	agtcagccac	tccttgtgcc	tgaaaacaca	ttgcctcatt	tagtctttga	2940
agtcattttg	tttgtttttg	tttttgagag	ggagtcttgc	tctgtcacc	aggctggagt	3000
acagtggcac	gatctcggct	cactgcaacc	tccgcctccc	gggttcatgc	cattcttctg	3060
cctcagcctc	ccaagtagct	gggactccag	gcgcccgcga	ccatgcctgg	ctattttttg	3120
tatttttagt	agagacaggg	tttcaccgtg	ttagccagga	tgggtctcgat	ctcctgacct	3180
tgtgatccac	ctgcctcggc	ctcccaaagt	gctgggatta	caggtgtgag	ccaccacgcc	3240
cagcatgaag	tcactcttaa	gaagttaggg	cacggataat	ccttttgata	gataaggaac	3300
ccctgtccca	gagaggccaa	gcaacatgat	tacagccaca	cagcgaggaa	ggggtctggg	3360
cggctccagtc	tagtgttttg	ttatcacaa	atcatgtgac	tcagggttaa	aatgcaggag	3420

gtttccttta	gggatttagc	ccacaaggac	tgaggcagcc	acagtggaat	tgggggtacag	3480
gcccccttta	gtctctggca	gctcacatgt	gagtgcagac	tgcactttcc	aggccttggg	3540
cctccgtgca	cctgggagtg	gccccccgtg	tctgttgagt	ccaggggggg	ctgctcagga	3600
gggttcctga	gccctgtgag	ggcagggcct	gcctggagtc	atagcagcct	gatgccccaa	3660
ctccccacc	aggatgatgac	tccatgagga	cctcacagct	gaatgtgggc	acctccacgg	3720
acgtgtcact	gaagatcacc	gagagtgate	tgagccagct	gaccgccagc	atccgtgccc	3780
cctcgggcaa	cgaggagccc	tgctgtctga	agcgccctgcc	caaccggcac	attggtgagc	3840
gtggggcctc	acggggacct	caggggtggg	ggcccacagg	atgctctgcc	taacaccac	3900
tttccacagg	gatctccttc	acccccaagg	aggctgggga	gcacgtggtg	agcgtgcgca	3960
agagtggcaa	gcatgtcacc	aacagccctt	tcaagatcct	ggtggggcca	tctgagatcg	4020
gggacgccag	caaggtgcgg	gtctggggca	aggggcttcc	cgagggacac	acattccagg	4080
tggcagagtt	catcgtggac	actcgcaatg	caggtacctc	ctgccccaga	gagcccccat	4140
tccagcgggt	gcctcccaca	ggcacttgct	ctcgctctgc	ccagcaccct	cttggccgca	4200
ctctctcctc	cctgaaactt	cctgaccagt	ctgcgtcagg	attcgcatte	tggggcccct	4260
tgcgggaaag	tgaatggccc	cgcatcagtt	ctctcccttt	taagagaaag	ctcagctgtc	4320
ctgagtttct	gtccctccct	tgtcacttgg	aatccaagag	gcttacctta	gggaattttc	4380
cagaccgcct	gtcccgtggt	gcccccgctc	ctcccactga	gccatttttg	ttagtgggtca	4440
ctacacacat	cggtgcccat	tctgggtgga	gcctgcagtc	tggggagagg	aaagcattgt	4500
ggcttgccca	gcctaggact	gagggagatg	tgttcccttg	tttccccccag	gttatggggg	4560
cttggggctg	agtattgaag	gccaagcaa	ggtggacatc	aactgtgagg	acatggagga	4620
cgggacatgc	aaagtacact	actgccccac	cgagcccggc	acctacatca	tcaacatcaa	4680
gtttgtctgac	aagcacgtgc	ctggtaaggc	tctgggcaga	ggtcgggtgg	gagagacagg	4740
gaggccagga	ggctggggct	ctgaggttcc	tgaccacccc	tttgtcccca	cttcaggaag	4800
ccccttcact	gtgaaggtga	ccggcgaggg	ccgcattgaag	gagagcatca	cccggcggag	4860
acaggcacct	tccatcgcca	ccatcggcag	cacctgtgac	ctcaacctca	agatcccagg	4920
tagaagcctg	gaggaccctg	ggtggggcgg	gtggtgggag	agggctggcc	cgggccagag	4980
cccacctgtc	gggcctccac	cctgcttccct	cacccctcgc	ttccctccct	caccttgctc	5040
cccttgacca	cacaggaaac	tggttccaga	tggtgtctgc	ccaggagcgc	ctgacacgca	5100
ccttcacacg	cagcagccac	acctacaccc	gcacggagcg	cacggagatc	agcaagacgc	5160
ggggcgggga	gacaaagcgc	gaggtgcggg	tggaggagtc	caccaggtc	ggcggggacc	5220
ccttccctgc	tgtgtttggg	gacttccctg	gccgggagcg	cctgggatcc	ttcggcagca	5280
tcacccggca	gcaggagggg	gagcaccgca	cactgggccc	gccgggtcct	cacggcggga	5340
tgggggggtg	ctgcggacca	ggcttgatgc	tggcagactg	gccccgaagg	ccagggcagg	5400
tctgagcaga	ggaggaggtt	taactgatgg	gggaggggag	ggccagggct	aggaggaatc	5460
ccagtgttgc	cctgacatcc	cccaaaccct	gcaggtgagg	ccagctctca	ggacatgact	5520
gcacaggtga	ccagcccac	gggcaaggtg	gaagccgcag	agatcgtcga	gggcgaggac	5580
agcgccctaca	gcgtgcgctt	tgtgccccag	gaaatggggc	cccatacggg	cgctgtcaag	5640
taccgtggcc	agcacgtgcc	cggcagcccc	tttcagttca	ctgtggggcc	gctgggtgaa	5700
ggtggtgccc	acaaggtgcg	ggccggaggc	acagggctgg	agcgaggtgt	ggccggcggt	5760
ccaggtaagg	ggcaggtggc	caggagtggg	gatgaagtca	gggcagccag	tgtgaggggc	5820
gatgatgctg	aagtccacta	ccttgccctgt	ccccagccga	gttcagcatc	tggacccggg	5880
aggctggcgc	tgggggcctg	tccattgtct	tggagggtcc	tagcaaagcg	gagattgcat	5940
ttgaggatcg	caaagatggc	tctctgctgc	ctctctatgt	cgtccaggaa	ccaggtgggc	6000
gtccacactg	gcagtggggc	tgggcctgcc	tgaccttcca	gactgggttt	ctgcccactg	6060
gccaggcagg	agatgcttgg	ggccacagaa	ctccccctcc	cggagccccc	tgtcttctct	6120
ctgccccgtc	tccctctacc	ccacaccctc	agaaacatgt	gtctgcctcc	agatctgagc	6180
gctgaccaca	gagcctttcc	tgggataaagg	ccagggtggg	gaggctcccc	ccctgccaac	6240
ctccatcccg	gaacctgtgc	tgactggtct	ctctccccag	gtgactatga	ggtctccatc	6300
aagttcaatg	atgagcatat	cccagacagc	ccctttgtgg	tgctgttggc	ctccctctcg	6360
gatgacgtc	gcggtctcac	tgtcaccagc	ctccagggtt	gtgcccaggg	tgggggtgga	6420
gggtttctgc	tatctgagag	atgggcagga	gttaggaca	gcaggtccat	ggggccaggg	6480
atttagcagt	gaccttggaa	gggccagtta	ggagtccctt	ctcataaggc	acgaggcagg	6540
gcccttgggg	acgggtgggt	cccaccctgg	gggcttgccc	gtgcactcag	gcatgccacg	6600
cctcgttctg	cctttctcag	ggtgtgtctg	cctgtcctac	tgccacctgc	catttcttgt	6660
tacagtttgt	tccaccttct	ggtgtaagaa	tgctagatga	caacatttat	aagaatgaga	6720
gcataaaatc	tatacaaact	aagagtaaac	cagtttgcac	agagggtgtg	agaggctcct	6780
ctaaagggaa	tgccctatggg	ctgcagagcc	tgggctgcat	cctcttcagg	ccgctggggg	6840
cctggcttgc	tttctcttgc	tgtgtgactt	tagagatgtg	gtgtgttctc	ttcattctgt	6900
cacagcggac	atgtgcaagg	aaggctttca	gcaagtccca	ctgaaacatg	caaaccaggg	6960
ggccaggtgt	ccaggggaca	cattgttaaag	gagcttctgc	ataaggcgca	cagaatgggc	7020
ttcacccac	ctccttctcc	cacgcgcctc	ctggctgccc	ctcagggtgg	tcacattggc	7080

ccatccagag	tccttgtgca	tctcctcctc	ccactcctga	actgggctcc	ccgatgcagg	7140
ctccaatccc	tccccagag	cccttctgtg	cttcttcttg	tctcctctgt	tggtccacct	7200
tctccaggaa	gctctcccag	gccaggccag	tgaaactcag	cttcctacct	cagagctctc	7260
tggcaccccc	agcccacaca	gcccatacag	cacttgccct	ccgccctcag	cctgcttcac	7320
acagagtggg	gcccttcctt	cctcagccag	gacagggcac	atcgtctgtc	atctcccaca	7380
caccaagcac	agctaggata	gcaggtgcac	acatagggtt	gcataccgga	ccctggctcc	7440
tctgtctccc	aggctgggct	ggcaggcagg	ggccaggctg	ggcatggggg	ggcagcagcc	7500
tttgggctgg	gcttacagtg	agcaccgtgt	ggggcttcag	agaagactgc	tccagccccg	7560
gcctcccagg	agtctgagca	tctccgtgg	cctttgcagg	agacggggct	caaggtgaac	7620
cagccagcgt	cctttgccgt	gcagctgaac	ggtgcccggg	gcgtgattga	tgcccgggtg	7680
cacacaccct	cgggggctgt	ggaggagtgc	tacgtctctg	agctggacag	tggtgagctg	7740
gccctgcccc	tgccaactcc	cttccgggct	ggggccttct	ggggagggga	aggatggagg	7800
ctaagccacc	aaccctttat	ccacagacaa	gcacaccatc	cgcttcatcc	cccacgagaa	7860
tggcgtccac	tccatcgatg	tcaagttcaa	cggtgcccac	atccctggaa	gtcccttcaa	7920
gatccgcgtt	ggggagcaga	gccaggctgg	ggacccaggc	ttggtgtcag	cctacgggtcc	7980
tgggctcgag	ggaggcacta	ccggtgagtg	cctggagctg	gggaacaggg	tgacttcttg	8040
gggtgcttgg	ccactagtct	ggtgctgctt	tgctccagag	gtaggggccc	tgcttcctaa	8100
gccaggagtc	cccacagagg	ctgtccaggg	agctggggcc	cagtccctct	tgggccacaa	8160
gcccttctctg	ccctcagcct	tgctacctct	ggcccccagg	tgtgtcatca	gagttcatcg	8220
tgaacaccct	gaatgccggc	tcgggggcct	tgtctgtcac	cattgatggc	ccctccaagg	8280
tgcagctgga	ctgtcgggag	tgtcctgagg	gccatgtggt	cacttatact	cccattggccc	8340
ctggcaacta	cctcattgcc	atcaagtacg	gtggccccc	gcacatcgtg	ggcagcccct	8400
tcaaggccaa	ggtcactggt	gagtgccagt	ttgggggagg	tccaccagc	ctgcagccca	8460
gcccagcctg	gagggctccg	gtggccacgc	acatctaggc	catagtctgc	ccccagacat	8520
catggtcagt	ttaccagggc	tagaggtggg	cctggctcta	cacagtacac	gttctgtgga	8580
gtcgggcatg	atcacgtaaa	aatgccattc	ttcctctcca	tcgtggcccc	tcactccttc	8640
agctctggcc	tgcgtgggct	cctcaggctc	tagcaccact	ttcttccctc	ctggcttccc	8700
atattcctcc	gctccaagaa	gacacagtcg	gtattgagca	agcttccccct	cttgaggctg	8760
tctgtaggat	gagttgggtg	ggtgttccct	tgtaaagtgg	ctcttaccct	gtgagttagc	8820
ctgagttccc	agacaaagcc	tgcaaggatg	agggacgcag	catctgaggc	cccagcccta	8880
gggtggagca	ccagttggag	ctggcagctc	agggccctgg	ctgggaatga	ggctgtgctc	8940
ctagagtggc	ccttggagga	atttgagggg	gagcctcaaa	tgcaggcagt	gagtcccaca	9000
gggtggcagt	gctggccgag	ggtccccctg	ctgggggaaga	acagggaagcc	cttctgacta	9060
ggtttgtgcc	ccctccaccc	acccctcagg	tccgaggctg	tccggaggcc	acagccttca	9120
cgaaacatcc	acggttcttg	tggagactgt	gaccaagtcc	tcctcaagcc	ggggctccag	9180
ctacagctcc	atccccaaagt	tctcctcaga	tgccagcaag	gtggtgactc	ggggccctgg	9240
gctgtcccag	gccttcgttg	gccagaagaa	ctccttcacc	gtggactgca	gcaaagcagg	9300
caggtggcgg	ggggagggcg	tctcccgggg	tgtgagcaag	aagccgtcag	ggagcagggg	9360
gtgggtcaca	gtaggggact	ccctggtgtg	agcctgtccc	tctgcctccc	tctccaggca	9420
ccaacatgat	gatggtgggc	gtgcacggcc	ccaagacccc	ctgtgaggag	gtgtacgtga	9480
agcacattgg	gaaccgggtg	tacaatgtca	cctacactgt	caaggagaaa	ggggactaca	9540
tcctcattgt	caagtggggt	gacgaaagtg	tcccttgaag	ccccttcaaa	gtcaagggtcc	9600
cttgaatccc	aaaagtgcct	ccccagctc	agccccacc	tccagccaca	cacacattac	9660
acacacacac	acacacacac	aaatgtgcca	caccagaca	cgcacagaat	cagacactac	9720
aaacacctgc	cttgggggtg	aagtgaaggc	ccagcctccc	cacccccacc	cgccccaggg	9780
gttggaggac	cttgtctgtg	tcaggacagt	gtccctccct	gggaatgtga	catgagggcc	9840
gactggggcc	aggctcaggg	gcagaggctg	ggacacaagg	ggctggcgag	ggctgcgagg	9900
ccagggaagc	cctgagtttc	tggcggggct	gagcagtggg	ggagcattgt	gttgtgggtg	9960
tctgtgtgtg	aggtcaccct	caaactgcac	cgccggccag	ataccctcct	gaccccaggg	10020
acttggctctg	gtctctcttg	tggctacaac	cccagagttt	taaggacttg	gaaaggaaag	10080
cacaatcaga	gaagaaaaca	gccccgaac	cagcaggagt	ggcctggcac	atggaccggc	10140
ctgagcgatg	tgcactccac	ccaagccagg	ctcccagggg	gcttgatttc	tctctcactg	10200
tctctttttt	taaaatgggt	gcacggctct	gccccatggg	gggccttttt	tacacactgc	10260
gaggcccagc	tttctagggg	actttttgcac	atgtcatgca	gctcagctgg	gagctgctta	10320
ggtggaaaac	tccaaataaa	gtgcggctgt	cgcagagggt	tggc		10364

<210> 9380  
 <211> 6673  
 <212> DNA  
 <213> Homo sapiens

<400> 9380

cacagctgaa	tgtgggcacc	tccacggacg	tgtcactgaa	gatcaccgag	agtgatctga	60
gccagctgac	cgccagcatc	cgtgccccct	cgggcaacga	ggagccctgc	ctgctgaagc	120
gcctgcccaa	ccggcacatt	ggtgagcgtg	gggcctcacg	gggacctcag	gggtgggggc	180
ccacaggatg	ctctgcctaa	caccactttt	ccacagggat	ctccttcacc	cccaaggagg	240
tcggggagca	cgtggtgagc	gtgcgcaaga	gtggcaagca	tgtcaccaac	agccccctca	300
agatcctggg	ggggccatct	gagatcgggg	acgccagcaa	ggtgcgggtc	tggggcaagg	360
ggctttccga	gggacacaca	ttccaggttg	cagagttcac	cgtggacact	cgcaatgcag	420
gtacctcctg	ccccagagag	cccccatccc	agcgggtgcc	tcccacaggc	actgtcctc	480
gtcctgcccc	gcacccccct	ggcgcgactc	tctcctccct	gaaacttcct	gaccagtctg	540
cgtcaggatt	cgcattcttg	ggcccccttg	gggaaagtga	atggccccgc	atcagttctc	600
tcccttttaa	gagaaagctc	agctgtcctg	agtttctgtc	cctcccttgc	tcactggaat	660
ccaagaggct	taccttaggg	aattttccag	accgcctgtc	ccgtggtgcc	ccgcctcctc	720
ccactgagcc	atttttgtta	gtggtcacta	cacacatcgg	tgccatttct	gggtggagcc	780
tgcagtctgg	ggagaggaaa	gcatttgtgc	ttggccagcc	taggactgag	ggagatgtgt	840
tccttgcttt	ccccagggtt	atgggggctt	ggggctgagt	attgaaggcc	caagcaaggt	900
ggacatcaac	tgtgaggaca	tggaggacgg	gacatgcaa	gtcacctact	gccccacga	960
gcccggcacc	tacatcatca	acatcaagtt	tgtcgacaag	cacgtgcctg	gtaaggctct	1020
gggcagaggt	cgggtggcag	agacaggggag	gccaggaggc	tggggctctg	aggttcctga	1080
cccacccttt	gtccccactt	caggaagccc	cttactgtg	aaggtgaccg	gcgagggccg	1140
catgaaggag	agcatcaccc	ggcggagaca	ggcaccttcc	atcgccacca	tcggcagcac	1200
ctgtgacctc	aacctcaaga	tcccaggtag	aagcctggag	gaccctgggt	ggggcgggtg	1260
gtgggagagg	gctggccccg	gccagagccc	acctgtcggg	cctccaccct	gcttcctcac	1320
ccctcgcttc	cctccctcac	cctggctccc	ttgaccacac	aggaactctg	ttccagatgg	1380
tgtctgcccc	ggagcgccct	acacgcacct	tcacacgcag	cagccacacc	tacaccgcga	1440
cggagcgcac	ggagatcagc	aagacgcggg	gcggggagac	aaagcgcgag	gtgcgggtgg	1500
aggagtccac	ccaggtcggc	ggggaccctt	tccttgtctg	gtttggggac	ttcctgggcc	1560
gggagcgctt	gggaccttct	ggcagcatca	cccggcagca	ggagggtgag	caccgcacac	1620
tgggcccggc	gggtcctcac	ggcgggatgg	gaggggtctg	cggaccaggc	ttgatgctgg	1680
cagactggcc	ccgaaggcca	gggcaggtct	gagcagagga	ggaggtttaa	ctgatggggg	1740
agggaagggc	cagggctagg	aggaatccca	gtgttgccct	gacatccccc	aaaccgggca	1800
ggtgaggcca	gctctcagga	catgactgca	caggtgacca	gcccacgagg	caaggtggaa	1860
aaacgacag	atcgtcaggg	aaaaggacag	cgcctacagc	gtgcgctttg	tgccccagga	1920
aatggggccc	catacggtcg	ctgtcaagta	ccgtggccag	cacgtgcccc	gcagcccctt	1980
tcagttcact	gtggggccgc	tgggtgaagg	tgggtgccac	aaggtgcggg	ccggaggcac	2040
agggtctggg	cgaggtgtgg	ccggcgtgcc	aggtaagggg	caggtggcca	ggagtgggga	2100
tgaagtcaag	gcagccagtg	tgagggggca	tgatgttgaa	gtccactacc	ttgcctgtcc	2160
ccagccgagt	tcagcatctg	gacccgggag	gctggcgctg	ggggcctgtc	cattgtctgt	2220
gagggctcta	gcaaagcgga	gattgcattt	gaggatcgca	aagatggctc	ctgcggcgct	2280
tcctatgtcg	tccaggaacc	aggtgggcgt	ccacactggc	agtggggctg	ggcctgcctg	2340
accttccaga	ctggggttct	gccacttggc	caggcaggag	atgcttgggg	ccacagaact	2400
ccccctcccc	gagccccctg	cttctctctt	gccccgtctc	ccctaccccc	acacctcag	2460
aaacatgtgt	ctgcctccag	atctgagcgc	tgaccacaga	gcctttctct	ggataaggcc	2520
agggtgggga	ggctcccgcc	ctgccaaact	ccatcccgga	acctgtgctg	actggtctct	2580
ctcccaggtt	gactatgagg	tctccatcaa	gttcaatgat	gagcacatcc	cagacagccc	2640
ctttgtgggt	cctgtggcct	ccctctcgga	tgacgctcgc	cgtctcactg	tcaccagcct	2700
ccaggtttgt	gcccagggtg	ggggtggagg	gtttctgcta	tctgagagat	gggcaggagt	2760
tgaggacagc	aggtccatgg	ggccagggat	ttagcagtga	ccttgggaagg	gccagttagg	2820
agtcctctct	cataaggcac	gaggcagggc	ccttggggac	ggtgggctcc	caccctgggg	2880
gcttccccct	gcactcaggc	atgccacgcc	tcgtttgtgc	ttcttcaggg	tctgtctggc	2940
tgtcctactg	ccacctgcca	tttcttgtta	cagtttgttc	caccttctgt	tgtaaagaatg	3000
ctagatgaca	acattttata	gaatgagagc	ataaaatcta	tacaaactaa	gagtaaacca	3060
gtttgcacag	agggtgtgag	aggctcctct	aaagggaatg	cctatgggct	gcagagcctg	3120
ggctgcaccc	tcttcaggcc	gctgggggcc	tggcttgctt	tctcttgctg	ctgacttcta	3180
gtagatgtgg	tgtgttcctt	tcattctgtc	acagcggaca	tgtgcaagga	aggctttcag	3240
caagtccacg	tgaaacatgc	aaaccagggg	gccagggtgt	cagggggacac	attgtaaaagg	3300
agcttctgca	taaggcgcac	agaattgggt	tcaccccacc	tccttctccc	acgcgcctcc	3360
tggctggccc	tcagggtggt	cacattggcc	caccagagct	ccttgtgcat	ctcctcctcc	3420
cactcctgaa	ctggggtccc	cgatgcaggc</				



gaaactcagc	tctctacctc	agagctctct	ggcaccacca	gcccacacag	cccatcaggc	3600
acttgccctc	cgccctcagc	ctgcttcaca	cagagtgggg	cccttccttc	ctcagccagg	3660
acagggcaca	tcgtctgtca	tctcccacac	accaagcaca	gctaggatag	caggtgcaca	3720
catagggttg	cataccggac	cctggctcct	cctgctccca	ggctgggctg	gcaggcaggg	3780
gccaggctgg	gcatggggtg	gcagcagcct	ttgggctggg	cttacagtga	gcaccgtgtg	3840
gggcttcaga	gaagactgct	ccagccccgg	cctcccagga	gtctgagcat	cctccgtggc	3900
ctttgcagga	gacggggctc	aaggtgaacc	agccagcgtc	ctttgccctg	cagctgaacg	3960
gtgccccggg	cgtgattgat	gccccgggtg	acacaccctc	ggggctgtg	gaggagtgtc	4020
acgtctctga	ctgtggacagt	ggtgagctgg	ccctgcccct	gccaactccc	tggcggtctg	4080
gggccttctg	gggaggggaa	ggatggaggc	taagccacca	accctttatc	cacagacaag	4140
cacaccatcc	gcttcatccc	ccacgagaat	ggcgccact	ccatcgatgt	caagttcaac	4200
ggtgccca	tccttgaag	tcccttcaag	atccgcgttg	gggagcagag	ccaggctggg	4260
gacccaggct	tgggtgtcagc	ctacggctct	gggctcgagg	gaggcactac	cggtgagtgc	4320
ctggagctgg	ggaacagggt	gacttctggg	ggtgcttggc	cactagtctg	gtgctgcttt	4380
gctccagagg	taggggccct	gcttcctaag	ccaggagtcc	ccacagaggc	tgtccaggga	4440
gctggggccc	agtccctctt	gggccacaag	cccttcctgc	cctcagcctt	gctacctctg	4500
gccccagggt	gtgtcatcag	agttcatcgt	gaacaccctg	aatgcgggt	cgggggcctt	4560
gtctgtcacc	attgatggcc	ctccaaggt	gcagctggac	tgtcgggagt	gtctgtaggg	4620
gactgtggtc	acttatactc	ccatggcccc	tggcaactac	ctcattgccca	tcaagtacgg	4680
tggcccccag	cacatcgtgg	gcagccctt	caaggccaag	gtcactgggtg	agtgccagtt	4740
tgggggagggt	ccaccagcc	tgcagcccag	cccagcctgg	agggctccgg	tggccacgca	4800
catctaggcc	atagtctgcc	cccagacatc	atggtcagtt	taccagggt	agaggtgggc	4860
ctggctctac	acagtacacg	ttctgtggag	tggggcatga	tcacgtaaaa	atgccattct	4920
tcctctccat	cgtggcccc	cactccttca	gctctggcct	gcgctggctc	ctcaggctct	4980
agcaccatt	tcttccctcc	tgggttccca	tattcctccg	ctccaagaag	acacagctcg	5040
tattgagcaa	gcttccccct	ctgaggctgt	ctgtaggatg	agttgggtgg	gtgttccttt	5100
gtaaagtggc	tcttaccctg	tgagttagcc	tgagttccca	gacaaagctc	gcaaggatga	5160
gggacgcagc	atctgaggcc	ccagccctag	ggtggagcac	cagttggagc	tggcagctca	5220
gggccctggc	tgggaatgag	gctgtgctcc	tagagtggcc	cttggaggaa	tttgaggggg	5280
agcctcaaat	gcaggcagtg	agtcccacag	ggtggcagtg	ctggccgagg	gtccccctgc	5340
tggggaagaa	caggaagccc	ttctgactag	gtttgtgccc	cctccacca	cccctcaggt	5400
ccgaggctgt	ccggaggcca	cagccttcac	gaaacatcca	cgttctcgg	ggagactgtg	5460
accaagtctt	cctcaagccg	gggtctcagc	tacagctcca	tccccagtt	ctcctcagat	5520
gccagcaagg	tgggtgactg	gggccccggg	ctgtcccagg	ccttcgtggg	ccagaagaac	5580
tccttcaccg	tggactcgag	caaagcaggc	aggtggcggg	gggagggcgt	ctccccgggt	5640
gtgagcaaga	agccgtcagg	gagcagggtg	tgggtcacag	tagggactc	cctggtgtga	5700
gcctgtccct	ctgcctccct	ctccaggcac	caacatgatg	atggtgggcg	tgcacggccc	5760
caagaccccc	tgtgaggagg	tgtacgtgaa	gcacatgggg	aaccgggtgt	acaatgtcac	5820
ctacactgtc	aaggagaaa	gggactacat	cctcattgtc	aagtggggtg	acgaaagtgt	5880
ccctggaagc	cccttcaaag	tcaaggctcc	ttgaatccca	aaagtgcctc	cccagcctca	5940
gccccacct	ccagccacac	acacattaca	cacacacaca	cacacacaca	aatgtgccac	6000
accagacac	gcacagaatc	agacactaca	aacacctgcc	ttgggggtga	agtgaaggcc	6060
cagcctcccc	accccaccgc	gccccagggg	ttggaggacc	ttgtctgtgt	caggacagtg	6120
tccctccctg	ggaatgtgac	atgagggccg	actggggcca	ggctcagggg	cagaggctgg	6180
gacacaaggg	gctggcgagg	gctgcgaggc	cagggaaagcc	ctgagtttct	ggcggggctg	6240
agcagtgggg	gagcatttgt	ttgtgggtgt	ctgtgtgtga	ggtcaccctc	aaactgcacc	6300
gccggccaga	taccctcctg	accccagagg	cttgggtctg	tctctctgg	ggctacaacc	6360
ccagagtttt	aaggacttgg	aaaggaaagc	acaatcagag	aagaaaacag	ccccgaacc	6420
agcaggagtg	gcctggcaca	tggaccggcc	tgagcgatgt	gactccacc	caagccaggc	6480
tcccaggggg	cctgatttct	ctctcactgt	ctcttttttt	aaaatggttg	cacggctctg	6540
ccccatgggg	ggcctttttt	acacactgcg	aggcccagct	ttctagggga	cttttgcaca	6600
tgtcatgcag	ctcagctggg	agctgcttag	gtggaaaact	ccaaataaag	tgcggctgtc	6660
gcagagggtt	ggc					6673

```
<210> 9381
<211> 10368
<212> DNA
<213> Homo sapiens
```

<400> 9381



ccccactcgc	cccttccgca	tccatgctct	gcccactggg	gatgccagca	agtgcctcgt	60
cacaggtggg	tgcccacccg	ctgcccgtgc	cctgtctacc	acccagcccc	tcaaagcccc	120
tccagaaccc	tgccctgggtc	cccaggggtc	tgctgggtcgg	agagcacaca	tgccctagcc	180
ctggccccc	cctccctcac	ccccgccc	tgcccagcc	cacgttgagc	accgcctggc	240
ctcacactct	tctctctttc	cagtgtccat	tggaggccat	ggcctgggtg	agtgcctttt	300
ctctcctctt	cttgggtgtgg	gccaggggtg	ttggcggtag	ggggcgggca	gcggaacag	360
agagggctgg	ctccagccca	ccagctccct	gagcaggatc	tcccgcattg	caggtgcctg	420
cctggggccct	cgaatccaga	ttgggcagga	gacggtgatc	acggtggatg	ccaaggcagc	480
cgggtgagggg	aaggtgacat	gcacggtgtc	cacgcgggat	ggggcagagc	tcgatgtgga	540
tgtggttgag	aaccatgacg	gtacctttga	catctactac	acagcgcccg	agccgggcaa	600
gtacgtcatc	accatccgct	tcgggggtga	gcacatcccc	aacagcccct	tccacgtgct	660
ggtaagttct	gtagccacag	caagactaga	tggctgggga	ggggggcctg	gcccttttag	720
cagcagcagg	gatcccagat	aactgtcccc	aaggaatccc	acttctctga	gggtcctctg	780
ggccagagtg	ctccaggatg	gagccttaac	tttccccaca	gcacccccga	agtgggagga	840
gagcatggcc	ctgccccctg	cccagtgtct	tcagctgtct	ctggaggaac	ccgctgtgct	900
ctccaccatc	cccagctcca	tctccccaga	ggctgcccctg	caggaggatg	aacacccaaa	960
ttatcaccca	gcatttcagg	ttcctggggc	attctctgag	tcagccccta	ggcctgtgag	1020
gctgccacac	cctgtgcccc	cgtgccttgc	ctccccaggc	gtgtgacccc	ctgccgcacg	1080
aggaggagcc	ctctgaagtg	ccacagctgc	gccagcccta	cgctcctccc	cggcccgccg	1140
cccgccccac	acactgggta	ctgcgcctcc	caccaggcga	tgctcctctc	ctcctccctt	1200
tccttcattt	cttctctcta	ctcctctgca	gccagggcgg	ggacatggtc	tgggggcctc	1260
ttggggagca	ggcaagagtt	aggctgggca	gatggaaccc	cacttggggca	cagcactcct	1320
tctcttgag	ctgacgcacc	tctcctgcca	cgctgggtttc	atgattaact	accttgttct	1380
ttcctcactc	tccagcttca	gtcatagcat	gggtcaaact	cctgggcctt	ccccagtcac	1440
tgactgttcc	ctctcacctg	ctgcaggcca	cagaggagcc	agtgggtgct	gtggagccaa	1500
tggagtccat	gctgaggccc	ttcaacctgg	tcacccccct	cgcggtgcag	aaaggggagc	1560
tcacaggtac	tgcctgtgtg	ctcccaggca	tgagggtctga	ggggagaaac	cctcttccag	1620
gcccagtcct	gtgtcttaat	gatgaaaaca	aaggcccaga	gagagggaag	gagctctacc	1680
cagggtcaca	cagcaagttg	ggcagagcca	gaactcaggt	gcaagccatc	tgtccccagt	1740
tcagggctca	ggccactgcc	acaggctgtc	tcttgatgcc	tggtctctcg	ggtggcagca	1800
gaagcactca	ggaccaggcc	tgggacagca	ggggagggtg	cagtggggga	aaccagggtc	1860
tccacgtaac	tgtgtctgcc	ctgcaggaga	gggtgcggatg	ccctcgggga	agacggcacg	1920
gccaacatc	accgacaaca	aggacggcac	catcacggtg	aggatatgcac	ccactgagaa	1980
aggcctgcac	cagatgggga	tcaagtatga	cggcaaccac	atccctgggtg	agttaggggc	2040
tgggctgggc	tggggcttgg	gtgagaggag	caggccgtag	cttcagtcct	gccttccctc	2100
tttcaacaaa	tatttattga	gcacccgctg	tgtgcagaca	ccaggcgagg	ccccagggag	2160
gcttataccc	tgggtgggaag	cagacctcca	ccagctgggt	ccctacggca	cagacggagg	2220
gggttggcag	ggaggctgct	ggaagggtgt	ggggccaagg	tgggctcaga	taatccctga	2280
tgctgaccca	gccccctttt	tctctgtatc	cccaggggagc	cccttacagt	tctatgtgga	2340
tgccatcaac	agccgccatg	tcagtgccta	tggggccaggc	ctgagccatg	gcattggtcaa	2400
caagccagcc	accttcacta	ttgtcaccaa	agatgctgga	gaaggtgagg	gagctgcagg	2460
tcgcaggctg	gggtggagag	tcaccagggg	caggggtgag	ggcaggacct	ctgatcttga	2520
ccacacctcc	acctacaggg	ggtctgtcac	tggccgtgga	gggcccatac	aaggcagaga	2580
tcacctgtaa	ggacaacaag	gatggcacct	gcaccgtgtc	ctatctgccg	actgcgcctg	2640
gagactacag	catcatcgtg	cgcttcgatg	acaagcacat	cccggggagc	cccttcacag	2700
ccaagatcac	agggtaggcg	ggtgtatggg	catgtacagc	ccatgaggca	cacacaccgc	2760
atacagtgca	ctcatgtgca	agcccagccc	gttcaagtca	ctcgtgacat	tagggcagag	2820
gcccttcaag	gtgtgagggg	tcataattttg	ataaatgtaa	aaacactctg	ttctccacgg	2880
cagctaagaa	gcagtcagcc	actccttgtg	cctgaaaaca	cattgcctca	tttagtcttt	2940
gaagtcattt	gttttgtttt	tgttttttga	aggagtcctt	gctctgtcac	ccaggcttga	3000
gtacagtggc	acgatctcgg	ctcactgcaa	ctccgccttc	ccgggttcat	gccattcttc	3060
tgcctcagcc	tcccaagtag	ctgggactcc	aggcgccgcg	caccatgcct	ggctattttt	3120
tgtattttta	gtagagacag	ggtttcaccg	tgttagccag	gatgggtctg	atctcctgac	3180
cttgtgatcc	acctgcctcg	gcctcccaaa	gtgctgggat	tacagggtgtg	agccaccacg	3240
cccagcatga	agtcactctt	aagaagttag	ggcacggata	atccttttga	tagataagga	3300
accctgttcc	cagagaggcc	aagcaacatg	attacagcca	cacagcgagg	aagggtctg	3360
ggcggtccag	tctagtgttt	tgttatcaca	acatcatgtg	actcagggtt	aaaatgcagg	3420
aggtttcctt	tagggattta	gcccacaag	actgaggcag	ccacagtgga	attgggggtac	3480
agggccctct	tagtctctgg	cagctcacat	gtgagtgcag	actgcacttt	ccaggccttg	3540
ggcctccgtg	cacctgggag	tggccccccg	tgtctgttga	gtccaggggg	ggctgtctag	3600
gagggttcct	gagccctgtg	agggcagggc	ctgcctggag	tcatagcagc	ctgatgcccc	3660

aactccccca	ccaggtgatg	actccatgag	gacctcacag	ctgaatgtgg	gcacctccac	3720
ggacgtgtca	ctgaagatca	ccgagagtg	tctgagccag	ctgaccgcca	gcatccgtgc	3780
cccctcgggc	aacgaggagc	cctgcctgct	gaagcgctg	cccaaccggc	acattggtga	3840
gcggtggggc	tcacggggac	ctcaggggtg	ggggcccaca	ggatgctctg	cctaaccacc	3900
actttccaca	gggatctcct	tcacccccaa	ggaggtcggg	gagcacgtgg	tgagcgtgcg	3960
caagagtggc	aagcatgtca	ccaacagatc	cttcaagatc	ctggtggggc	catctgagat	4020
cggggacgcc	agcaaggtgc	gggtctgggg	caaggggctt	tccgagggac	acacattcca	4080
ggtggcagag	ttcatcgtgg	acactcgcaa	tgcaggtacc	tcctgcccc	gagagccccc	4140
attccagcgg	gtgcctccca	caggcacttg	tcctcgtcct	gcccagcacc	cccttgggcg	4200
cactctctcc	tccttgaaac	ttcctgacca	gtctgcgtca	ggattcgcac	tctggggccc	4260
cttgcgggaa	agtgaatggc	cccgcacatc	ttctctccct	tttaagagaa	agctcagctg	4320
tcctgagttt	ctgtccctcc	cttgctcact	ggaatccaag	aggcttacct	tagggaattt	4380
tccagaccgc	ctgtcccgtg	gtgccccgc	tcctcccact	gagccatttt	tgttagtggg	4440
cactacacac	atcgggtgcc	attctgggtg	gagcctgcag	tctggggaga	ggaaagcatt	4500
gtggcttggc	cagcctagga	ctgagggaga	tgtgttcctt	gctttcccc	agggtatggg	4560
ggcttggggc	tgagtattga	aggcccaagc	aaggtggaca	tcaactgtga	ggacatggag	4620
gacgggacat	gcaaagtcac	ctactgcccc	accgagcccg	gcacctacat	catcaacatc	4680
aagtttgctg	acaagcacgt	gcctggtaag	gctctgggca	gaggtcgggtg	gcgagagaca	4740
gggaggccag	gaggctgggg	ctctgaggtt	cctgaccac	cctttgtccc	cacttcagga	4800
agccccctca	ctgtgaaggt	gaccggcgag	ggcgcacatg	aggagagcat	caccggcg	4860
agacaggcac	cttccatcgc	caccatcggc	agcacctgtg	acctcaacct	caagatccca	4920
ggtagaagcc	tggaggaccc	tgggtggggc	gggtgggtgg	agagggctgg	cccggggccag	4980
agccccctg	tcgggctccc	accctgtctc	ctcaccctcc	gcttccctcc	ctcaccctgg	5040
ctcccttgac	cacacaggaa	actggttcca	gatggtgtct	gcccaggagc	gcctgacacg	5100
caccttcaca	cgcagcagcc	acactgtacac	cgcacgggag	cgcacggaga	tcagcaagac	5160
gcggggcg	gagacaaagc	gcgaggtg	ggtggaggag	tccaccagg	tcggcgggga	5220
ccccctccct	gctgtgtttg	gggacttcct	gggcccggag	cgctgggat	ccttcggcag	5280
catcaccgg	cagcaggagg	gtgagcaccg	cacactgggc	cggccgggtc	ctcacggcg	5340
gatgggagg	tgctgcggac	caggcttgat	gctggcagac	tggccccgaa	ggccagggca	5400
ggtctgagca	gaggaggagg	tttaactgat	gggggaggga	agggccagg	ctaggaggaa	5460
tcccagtgtt	gccctgacat	cccccaaacc	ctgcaggtga	ggccagctct	caggacatga	5520
ctgcacaggt	gaccagccca	tcgggcaag	tggaaagccg	agagatcgct	gagggcgagg	5580
acagcgcta	cagcgtgcgc	ttgtgcccc	aggaatggg	gccccatacg	gtcgtgttca	5640
agtaccgtg	ccagcacgtg	cccggcagcc	cctttcagtt	cactgtgggg	ccgctgggtg	5700
aaggtggtgc	ccacaaggtg	cgggcccggg	gcacagggct	ggagcgaggt	gtggccggcg	5760
tgccaggtaa	ggggcagggtg	gccaggagtg	gggatgaagt	acagggcagc	cagtgtgagg	5820
ggcgatgatg	ctgaagtcca	ctaccttgcc	tgtccccagc	cgagttcagc	atctggacc	5880
gggaggctgg	cgctgggggc	ctgtccattg	ctgtggagg	tcctagcaaa	gcggagattg	5940
catttgagga	tcgcaaagat	ggctcctg	gcgtctccta	tgctgtccag	gaaccagggtg	6000
ggcgtccaca	ctggcagtg	ggctgggcct	gcctgacctt	ccagactggg	tttctgccc	6060
ctggccaggc	aggagatgct	tggggccaca	gaactccctt	ccccggagcc	ccctgctctt	6120
cctctgcccc	gtctccctct	accccacacc	ctcagaaaca	tgtgtctg	tccagatctg	6180
agcgtgacc	acagagcctt	tcctgggata	aggccagggt	ggggaggctc	ccgccctgcc	6240
aacctccatc	ccggaacctg	tgctgactgg	tctctctccc	cagggtgacta	tgaggctctc	6300
atcaagttca	atgatgagca	catcccagac	agcccccttg	tgggtgcctgt	ggcctccctc	6360
tcggatgacg	ctcgcgtct	cactgtcacc	agcctccagg	tttgtgccc	gggtgggggt	6420
ggagggtttc	tgctatctga	gagatgggca	ggagttgagg	acagcaggtc	catggggcca	6480
gggatttaqc	agtgaacctg	gaagggccag	ttaggagtcc	cttctcataa	ggcacgaggc	6540
agggcccttg	gggacgggtg	gctcccaccc	tgggggcttg	cccgctgcact	caggcatgcc	6600
acgcctcgtt	ctgcctttct	cagggtgtgt	ctgcctgtcc	tactgccacc	tgccatttct	6660
tgttacagtt	tgttccacct	tctgttgtaa	gaatgctaga	tgacaacatt	tataagaatg	6720
agagcataaa	atctatacaa	actaagagta	aaccagtttg	cacagagggt	gtgagaggct	6780
cctctaaagg	gaatgcctat	gggctgcaga	gcctgggctg	catcctcttc	aggccgctgg	6840
gggcctggct	tgctttctct	tgctgctgac	ttctagagat	gtggtgtgtt	cctttcattc	6900
tgtcacagcg	gacatgtgca	aggaaggctt	tcagcaagtc	acactgaaac	atgcaaacca	6960
ggggggccagg	tgctccagg	acacattgta	aaggagcttc	tgcataaggc	gcacagaatg	7020
ggcttcaccc	cacctccttc	tcccacgcgc	ctcctggctg	ccccctagg	tggtcacatt	7080
ggccccatca	gagtccttgt	gcactctcct	ctcccacttc	tgaactgggc	tccccgatgc	7140
aggctccaat	cccccccca	gagccctctt	gtgctctccc	tggtcctccc	tggttggtcca	7200
cctctccag	caagctctcc	caggccaggc	cagtgaact	cagcttccta	cctcagagct	7260
ctctggcacc	cccagccac	acagcccatc	aggcacttgc	cctccgcctt	cagcctgctt	7320

cacacagagt	ggggcccttc	cttccctcagc	caggacaggg	cacatcgtct	gtcatctccc	7380
acacaccaag	cacagctagg	atagcaggtg	cacacatagg	gttgcatacc	ggaccctggc	7440
tcctcctgct	cccaggctgg	gctggcaggc	aggggccagg	ctgggcatgg	ggtggcagca	7500
gcctttgggc	tgggcttaca	gtgagcaccg	tgtggggctt	cagagaagac	tgctccagcc	7560
cgggctccc	aggagtctga	gcatectccg	tggcctttgc	aggagacggg	gctcaagggtg	7620
aaccagccag	cgctccttgc	cgtgcagctg	aacgggtgcc	ggggcgtgat	tgatgcccgg	7680
gtgcacacac	cctcgggggc	tgtggaggag	tgctacgtct	ctgagctgga	cagtgggtgag	7740
ctggccctgc	ccctgccaac	tcccttcagg	gctggggcct	tctggggagg	ggaaggatgg	7800
aggctaagcc	accaaccctt	tatccacaga	caagcacacc	atccgcttca	tccccacga	7860
gaatggcgtc	cactccatcg	atgtcaagtt	caacggtgcc	cacatccctg	gaagtccctt	7920
caagatccgc	gttggggagc	agagccaggc	tggggaccca	ggcttgggtg	cagcctacgg	7980
tcctgggctc	gagggaggca	ctaccgggtg	gtgcctggag	ctggggaaca	gggtgacttc	8040
tgggggtgct	tggccactag	tctggtgctg	ctttgctcca	gaggtagggg	ccctgcttcc	8100
taagccagga	gtccccacag	aggctgtcca	gggagctggg	gcccagtcct	tcttgggcca	8160
caagcccttc	ctgcccctcag	ccttgctacc	tctggccccc	agggtgtgtca	tcagagttca	8220
tcgtgaacac	cctgaatgcc	ggctcggggg	ccttgctctgt	caccattgat	ggccccctca	8280
agggtgcagct	ggactgtcgg	gagtgtccctg	agggccatgt	ggtcacttat	actcccatgg	8340
cccctggcaa	ctacctcatt	gccatcaagt	acgggtggccc	ccagcacatc	gtgggcagcc	8400
ccttcaaggc	caaggctcact	ggtgagtgcc	agtttggggg	agggtccacc	agcctgcagc	8460
ccagcccagc	ctggaggggct	ccggtggcca	cgcacatcta	ggccatagtc	tgccccaga	8520
catcatggtc	agttttaccag	ggctagaggt	gggcctggct	ctacacagta	cacgttctgt	8580
ggagtggggc	atgatcacgt	aaaaatgcc	ttcttctctt	ccatcgtggc	ccctcactcc	8640
ttcagctctg	gcctgcgctg	gctcctcagg	ctctagcacc	actttcttcc	ctcctggctt	8700
cccattatcc	tccgctccaa	gaagacacag	tcggtattga	gcaagcttcc	cctcttgagg	8760
ctgtctgtag	gatgagttgg	gtgggtgttc	ccttgtaaac	tggctcttac	cctgtgagtt	8820
agcctgagtt	cccagacaaa	gcctgcaagg	atgagggacg	cagcatctga	ggccccagcc	8880
ctaggggtgga	gcaccagttg	gagctggcag	ctcagggccc	tggctgggaa	tgaggctgtg	8940
ctcctagagt	ggcccttgga	ggaatttgag	ggggagcctc	aaatgcaggc	agtgagtccc	9000
acaggggtggc	agtgtctggc	gaggggtccc	tgcctgggga	agaacaggaa	gcccttctga	9060
ctaggtttgt	gccccctcca	cccaccctc	aggctccgag	ctgtccggag	gccacagcct	9120
tcacgaaaca	tccacggttc	tgggtggagac	tgtgaccaag	tcttctctca	gccggggctc	9180
cagctacagc	tccatcccca	agttctcttc	agatgccagc	aagggtggtga	ctcggggccc	9240
tgggctgttc	caggccttcg	tgggcccagaa	gaactccttc	accgtggact	gcagcaaagc	9300
aggcaggtgg	cggggggagg	gcgtctcccg	gggtgtgagc	aagaagccgt	cagggagcag	9360
ggtgtgggtc	acagtagggg	actccctggt	gtgagcctgt	ccctctgcct	ccctctccag	9420
gcaccaacat	gatgatgggtg	ggcgtgcacg	gccccaaagc	ccctgtgag	gaggtgtacg	9480
tgaagcacat	ggggaaccgg	gtgtacaatg	tcacctacac	tgtcaaggag	aaaggggact	9540
acatcctcat	tgtcaagtgg	ggtgacgaaa	gtgtccctgg	aagccccttc	aaagtcaagg	9600
tcccttgaat	cccaaaagtg	cctccccagc	ctcagccccc	acctccagcc	acacacacat	9660
tacacacaca	cacacacaca	cacaaatgtg	ccacaccag	acacgcacag	aatcagacac	9720
tacaaacacc	tgccttgggg	gtgaagtga	ggcccagcct	ccccaccca	ccgcgcccc	9780
ggggttggag	gaccttggct	gtgtcaggac	agtgtccctc	cctgggaatg	tgacatgagg	9840
gccgactggg	gccaggctca	ggggcagagg	ctgggacaca	aggggctggc	gagggctgcg	9900
aggccaggga	agccctgagt	ttctggcggg	gctgagcagt	gggggagcat	tgtgttgtgg	9960
gtgtctgtgt	gtgaggctac	cctcaaactg	caccgcgggc	cagataccct	cctgaccccg	10020
aggacttggg	ctgggtctctc	tgggtggctac	aaccccagag	ttttaaggac	ttggaaagga	10080
aagcacaatc	agagaagaaa	acagcccccg	aaccagcagg	agtggcctgg	cacatggacc	10140
ggcctgagcg	atgtgcactc	cacccaagcc	aggctcccag	gggggcctga	tttctctctc	10200
actgtctctt	tttttaaaat	ggttgacagc	ctctgcccc	tggggggcct	tttttacaca	10260
ctgcgaggcc	cagctttcta	ggggactttt	gcacatgtca	tgacagctcag	ctgggagctg	10320
cttaggtgga	aaactccaaa	taaagtgcgg	ctgtcgcaga	gggttggc		10368

<210> 9382  
 <211> 276  
 <212> DNA  
 <213> Homo sapiens

<400> 9382						
gagagggagt	cttgcctctgt	cacccaggct	ggagtacagt	ggcacgatct	cggctcactg	60
caacctccgc	ctccggggtt	catgccattc	ttctgcctca	gcctcccaag	tagctgggac	120



<210> 9386  
 <211> 86  
 <212> DNA  
 <213> Homo sapiens

<400> 9386  
 tttgtttttg ttttttgaga tggagtctct ctctgtcacc caggctggag tgcagtggcg 60  
 cgatcttgtc tcaactgcaag ctccgc 86

<210> 9387  
 <211> 86  
 <212> DNA  
 <213> Homo sapiens

<400> 9387  
 tttgtttttg ttttttgaga tggagtctct ctctgtcacc caggctggag tgcagtggcg 60  
 cgatcttgtc tcaactgcaag ctccgc 86

<210> 9388  
 <211> 6943  
 <212> DNA  
 <213> Homo sapiens

<400> 9388  
 aggggtacttg acatgtccac ttggatgttt gataatcatt tcaaacttaa catattcaaa 60  
 acagaactct taattttctac ccacgcccta acctacacaa acactggaaa ctgtccatct 120  
 cccaattatt cttatctcaa taaatgaaat gacaccacca gccatcaacc agggatcctg 180  
 tacctcacct tccacatcca aactatcaaa agctcctcct gttttatgcc caatcagata 240  
 tcgagtcatt tcacctcttt ctgtctcctc tgctacttct ctcagacatg ttgcttcaat 300  
 ttctcacctg aactactaca ttagcctcct acctggctct gctttcattc ctgcctccct 360  
 gcagttcatt cttacagaga atctagaaaa agctcttcaa aagcaacaat cagatgtcac 420  
 tctcctactt tctaaaaact tttaaagagg acctcttctt ctgccagtat aacagacttt 480  
 gtactccaaa ggatatctct gttgcatttt agaactccta ggaagtaatg aaaatatcta 540  
 agaaaaaaaa tacaagtagc taagtgcata tatgtcaaca gtaaacaagc cagaaaaggc 600  
 agaattggcc atcccttggtg tttgtgtgtg acggtcatgt gggggtgcaa atggggaccg 660  
 tactgcaact cccagtttaa gcctgggatt ctagaaggga gataaaatag cccagggttg 720  
 tagtaccact aaattccaga taaagcaaat gtaatttagg cttctagttt tttttcacag 780  
 attgggactt tgagctttca aaaaagatta tcaacaagg aaacaaacca ccgtgagtga 840  
 aaatcagcaa aactagcgtt aatatattaa ttactccttc cccaccaagg gcttttagatg 900  
 tttgaagtat cagataagaa gaaactagac taccttatat aaagaaaaat taacttaaat 960  
 atagactaca aaaatgggtga atgggtgaaca acaatggtct ctcacaatca ccaggcactt 1020  
 ctgaaaaaga gctaaagaaa accttcagta ataaaaaaaa attatcaaaa aatttagtgg 1080  
 ataagctttt ttgtaatgga ctaattaatg aactggaaaa taaaactaaa atagtttcat 1140  
 gcaatggagc acagacaaag agatggaact ataagggaaga gaggttaata agtttgaggg 1200  
 gcagaataag caagcctaac taaagcctat ttagagcgtg aaaggcaaca aaaatatgca 1260  
 gaatggagat gagacaatgt ttaaagagat tgtggctcag aatttttctt tttttttaag 1320  
 tgaagagttt tatcttttgt gtttttttgt tgtttgtttt ctttggtttt ttttttactg 1380  
 ttattatact ttaagtttta ggggtacatgt gcacgacgtg cagcttcggt acatacgtat 1440  
 acatgtgcca tgttggtgtg ctgcacccat taactcgtca tttagcatta ggtatatctc 1500  
 ctaatgctat cctccccc cccccccacc ccacaacagt ccttggtgtg tgttggtccc 1560  
 cttcctgtgt ccatgtgttc tcattgttcc attcccacct atgagtgaga acatgcggtg 1620  
 tttggttttt tgtccttggt atagtttgct gagaataatg gtttccaact tgatccatgt 1680  
 ccctacaaaag gacatgaact catcattttt tatggctgca tagtattcca tgggtgtatat 1740  
 gtgccacatt ttcttaatcc agtctatcat tgttgacat ttgggttggt accaagtctt 1800  
 tgctattgtg aatagtgtg caataaacat acgtgtgcat gtgtctttat agcagcatga 1860  
 ttataaatcc tttgggtata taccagtaa tgggatggct ggggtcaaat gtatttctag 1920  
 tcctagatcc ctgaggaatc accacactga cttccacaat gggtgaacta gtttacagtc 1980

ctaccaacag	tgtaaaagt	ttcctatttc	tccacatcct	ctccagcacc	tggtgtttcc	2040
tgacttttta	atgatcgcca	ttctaactgg	tttgagatgg	tatctccttg	tggttttgat	2100
ttgtattcct	ctgatggcca	gtgatgatga	gcattttttc	gtgtgtcttt	tggtgcata	2160
aatgtcttct	tttgagaagt	gtctgttcat	atcctttgcc	cacttggtga	tggtgtgtgt	2220
tggttttttc	ttgtaaat	gttggaagtc	attgtagatt	ctggatatta	gccctttgtc	2280
agatgagtag	cttgcaaaac	ttttctcccg	ttctgtaggt	tgccgtttca	ctctgatggg	2340
agtttctttt	gctgtgcaga	agctctttag	tttaattaga	tcccatttgt	caattttgtc	2400
ttttgttgcc	attgcttttg	gtgtttcaga	catgaagtcc	ttgcccattg	ctgtgtcctg	2460
aatggtaatg	cctaagtttt	cttctagggg	ttttatgggt	ttaggtctaa	catttaagtc	2520
tttaatccat	cttgaattaa	tttttgtata	agggtgaagg	aagggatcca	gtttcagctt	2580
tctacatatg	gctaaccagt	tttcccagca	ccatttatta	aatagggaat	cctttcccca	2640
tttcttggtt	ttgtcagggt	tgtcaaagat	cagatagttg	tagatatgcg	gcattatttc	2700
tgaggactct	gttctgttcc	attgatctat	atgtctgtct	tggtaccagt	accatgctgt	2760
tttggttact	gtagccttgt	agtatagttt	gaagtcagct	agtgtgatgc	ctccagcttt	2820
gttcttttgg	cttaggattg	acttggcgat	gcgggctctt	ttttggttcc	atatgaactt	2880
gaaagtagtt	ttttccagtt	ctgtgaagaa	agtcattggg	agcttgatgg	ggatggcatt	2940
gaatctataa	attaccttgg	gcagtatggc	cattttcaca	atattgattc	ttcctacca	3000
tgagcatgga	atgttcttcc	atttgtttat	atcctctttt	atttactga	gcagtgggtt	3060
gtagtctctc	ttgaagagct	ccttcataat	ccttgtaagt	tggtattcca	ggtattttat	3120
tctctttgaa	gcaattgtga	atgggagttc	actcatgatt	tggtctctct	tttgtctgtt	3180
attggtgtat	aagaatgctt	gtggattttg	tacattgatt	ttgtatcctg	agactttgct	3240
gaagtgtgct	atcagcttaa	ggagattttg	tgctgagaca	gtgggggttt	ctagatatac	3300
agtcatgtca	tctgcaaaga	gggacaattt	gacttctctt	tttcttaatt	gaataccctt	3360
tatttctctc	tctgcctaa	ttgccttggc	cagaactctc	aacactatgt	tgaataggag	3420
tggtgagaac	gggcattccct	gtcttgtgcc	agttttcaaa	gggaatgctt	ccagtttttg	3480
cccatcagct	atgatattgg	ctgtgggttt	gtcatagata	gctcttatta	ttttgagata	3540
cgtcccatca	atccctaatt	tattgagagt	ttttagcatg	aagcattggt	gaattttgtc	3600
aaaggccttt	tctgcatcta	ttgagataat	cgtgattttt	gtctttgggt	ctgtttatat	3660
gttggtattac	gtttactgat	ttgtgtatgt	tgaaccagcc	ttgcatccca	gggatgaagc	3720
ccacttgatc	atggttgata	agctttttga	tgtgctgctg	gattcagttt	gccagtattt	3780
tcttgaggat	ttttgcatca	atgttcatca	aggatattgg	tctaaaaatt	tctttttttg	3840
ttgtgtctct	gccaggcttt	ggtgtcagga	tgatctgggc	ctcataaaat	gagttaggga	3900
ggattccctc	ttttctgttt	gatttgaata	gtttcagaag	gaatgggtacc	agctcctctt	3960
tgtacctctg	gtagaattcg	gctgtgaatc	cacctgggtc	ctggactttt	tttggttcgt	4020
aagctattga	ttattgcctc	aatttcagct	cctgttattg	gtctattcag	agattcaact	4080
tgttcctggg	ttagtcttgg	gaggatgtat	gtgtcgagga	atttatccgt	ttcttctaga	4140
ttttctagtt	tatttgcgta	gagggtgtta	tcataattct	tgatggtagt	ttgtatttct	4200
gtgggattgg	tggtgatata	ccctttatga	ttttttattg	cgtctatttg	attcttctct	4260
cttttcttct	tgattagtct	tgctagcagt	ctatcaatgt	tggtgatctt	ttcaaaaaac	4320
cagctcctgg	attcattcat	tttttgaagg	gttttttgtg	tctctatttc	cttcagttct	4380
gctctgatct	cggttatttc	ttgccttctg	ctagcttttg	aatgtgtttg	ctcttgcttt	4440
tctagtctct	ttaattgtga	cgttaagggt	tcaattttag	atctctcctg	ctttctcttg	4500
tgggcattta	gtgctataaa	tttccctcta	cacactgctt	tgaatgtgtc	ccagcgattc	4560
tggtatgttg	tgtctttgtc	ctcgttgatt	tcaaagaaca	tctttatttc	tgccctcatt	4620
tcattattta	cccagtagtc	attcaggagc	agggtgttca	gtttccatgt	agttgagcag	4680
ttttgagtga	gtttcttaat	cctgatttct	agtttgattg	cactgtgggt	tgagagacag	4740
tttggtataa	tttctgttct	tctacatttg	ctgaggagtg	ctttacttcc	aactatgtgg	4800
tcaatttttg	agtaggtgtg	gtgtggtgct	gaaaagaatg	tatattctgt	tgatttgggg	4860
tgagaggttc	tgtagatgtc	tattaggtcc	gcttggtgca	gagctgagtt	caattcctgg	4920
gtatccttgg	taactttctg	tctcgttgat	ctgtctgatg	ttgacagtgg	gatgttaaag	4980
tctcccatta	ttattgtgtg	ggagtctaag	tctctttgta	ggctactcag	gacttgcttt	5040
atgaatctgg	gtgctgctgt	attgggtgca	tatatattta	ggatagttag	ctcttcttgt	5100
tgaattgatc	cctttaccat	tatgtaatgg	ccttctttgt	ctcttttgat	ctttgtttgt	5160
ttaaagtctg	ttttatcaga	gactaggatt	gcaacccttg	cctttttttg	ttttccattt	5220
gcttggtaga	tcttccctca	tccctttatt	tgagacctat	gtgtgtctct	gcacgtgaga	5280
tggtgttccct	gaatacagca	cactgatagg	tcttgactct	ttatccaatt	tgccagtctg	5340
tgtcttttaa	ttggagcatt	tagcccat	acattttaaag	ttaatattgt	tatgtgtgaa	5400
tttgatcctg	tcattatgat	gttagctggg	tcttttgcgt	gttagttgat	gcagtttctt	5460
cctagccttg	atggtcttta	caatttggtg	tggttttgca	gtggctggta	ccagttgttc	5520
ctttccatgt	ttagtgtctc	ctgcaggagc	tcttttaggg	caggcctggg	ggtgacaaaa	5580
tctctcagca	tttgcttgtc	tgtaaaagt	tttatttctc	cttcacttat	gaagcttagt	5640

ttggctggat	atgagattct	gggttgaaaa	ttctttcttt	aagaatgttg	aatattgggc	5700
cccactcttc	tggtctgtag	agtttctgcc	gagagatcag	ctgttagtct	gttgggcttc	5760
cctttgtggg	taacctgacc	tttctctctg	gctgccctta	acattttttc	cttcattttca	5820
actttgggtga	atcttgacaa	ttacgtgtct	tggagttgct	cttctcgagg	agtatctttg	5880
tggcgcttctc	tgtatttctc	gaatctgaat	gttggcctgc	cttgctacat	tggggaagtt	5940
ctcctggata	atctcctgca	gagtgttttc	caacttgggt	ccattctccc	cgctactttc	6000
aggtatacca	gtcagatgta	catttgggtc	tttcacatag	tcccatattt	cttgaaggct	6060
ttgttcgttt	ctttttattc	ttttttctct	gaacttctct	tcttgcttca	tttcattcat	6120
tttgtcttcc	atcactgata	ccctttcttc	cagttgatcg	aatcggctac	tgaggcttct	6180
gcattcgaca	tgtagctctc	gtgccttggg	tttcagctcc	atcgggtcct	ttacggactt	6240
ctctgcattg	attattctag	ttatccgttc	gtctaatttt	ttttcaaagc	ttttaacttc	6300
tttgccattg	gttcaaagct	cctcctgtag	ctcagagtag	tttgatcatc	tgaagccttc	6360
ttctctcaac	tcagcaaagt	cattctccat	ccagctttgt	tccattgctg	gtgaggagct	6420
gtgttctctt	gaaggaggag	aggcactctg	attttttagag	tttccagttt	ttctgctctg	6480
tttttttccac	atctttgttg	ttttatctac	ctttggctct	taatgatggg	gacttacaga	6540
tgggtttttg	gtgtggatgt	cccttccgtt	tgttagtttt	ccttctaaca	gacaggacc	6600
tcagctgcag	gtctgttgga	gtttgctaga	ggctccactcc	agaccttggt	tgcctgggta	6660
tcagcagcgg	tggctgcaga	acagcagata	ttgggtgaacc	acagatgctg	ctgcctgatg	6720
gttctctctgg	aagttttgtc	tcagaggagt	acccggctgt	gtgaggtgtc	agcccgctc	6780
tactgggggg	tgcctcccag	ttaggctcct	cgggggtcag	ggaccactt	aaggaggcag	6840
tatgcccggt	ctcagatctc	aagctgtgtg	ctgggagaac	cactactctc	ttcaaagctg	6900
tcagagaggg	acattttaagt	ctgcagaggt	tactgctgtc	ttt		6943

<210> 9389  
 <211> 1607  
 <212> DNA  
 <213> Homo sapiens

<400> 9389						
agggtacttg	acatgtccac	ttggatgttt	gataatcatt	tcaaacttaa	catattcaaa	60
acagaactct	taattttctac	ccacgcctta	acctacacaa	acactggaaa	ctgtccatct	120
cccaattatt	cttatctcaa	taaatagaat	gacaccacca	gccatcaacc	agggatcctg	180
tacctcacct	tccacatcca	aactatcaaa	agctcctcct	gttttatgcc	caatcagata	240
tcgagtcatt	tcacctcttt	ctgtctcctc	tgtacttctt	ctcagacatg	ttgcttcaat	300
ttctcacctg	aactactaca	ttagcctcct	acctggctct	gctttcattc	ctgcctccct	360
gcagttcatt	cttacagaga	atctagaaaa	agctcttcaa	aagcaacaat	cagatgtcac	420
tctcctactt	tctaaaaact	tttaaagagg	acctcttctt	ctgccagtat	aacagacttt	480
gtactccaaa	ggatatctct	gttgcatttt	agaactccta	ggaagtaatg	aaaatatcta	540
agaaaaaaaa	tacaagtagc	taagtgcata	tatgtcaaca	gtaaacaagc	cagaaaaggc	600
agaattggcc	atcccttgtg	tttgtgtgtg	acggctcatgt	gggggtgcaa	atggggaccg	660
tactgcaact	cccagtttaa	gcctgggatt	ctagaaggga	gataaaatag	cccagggttg	720
tagtaccact	aaattccaga	taaagcaaat	gtaatttagg	cttctagtgt	tttttcacag	780
attgggatct	tgagctttca	aaaaagatta	tcaaaacaagg	aaacaaacca	ccgtgagtga	840
aaatcagcaa	aactagcgtt	aatatattaa	ttactccttc	cccaccaagg	gcttttagatg	900
tttgaagtat	cagataagaa	gaaactagac	taccttatat	aaagaaaaat	taacttaaata	960
atagactaca	aaaatggtga	atggtgaaca	acaatggtct	ctcacaatca	ccaggcactt	1020
ctgaaaaaga	gctaaagaaa	accttcagta	ataaaaaaaaa	attatcaaaa	aatttagtg	1080
ataagctttt	ttgtaatgga	ctaattaatg	aactggaaaa	taaaactaaa	atagtttcat	1140
gcaatggagc	acagacaaaag	agatggaact	ataagggaaga	gagggttaata	agtttggagg	1200
gcagaataag	caagcctaac	taaagcctat	ttagagcgtg	aaaggcaaca	aaaatatgca	1260
gaatggagat	gagacaatgt	ttaaagagat	tgtggctcag	aatttttctt	tttttttaag	1320
tgaagagttt	tatcttttgt	gttttttgtt	tgtttgtttt	ctttgttttt	ttttttactg	1380
ttattatact	tttaagtttta	gggtacatgt	gcacgacgtc	gagcttcgtt	acatacgtat	1440
acatgtgcca	tgttgggtgtg	ctgcacccat	taactcgtca	tttagcatta	ggtatatctc	1500
ctaagtctat	ccctccccc	tccccccacc	ccacaacagt	ccctgggtgtg	tgttgttccc	1560
cttctctgtg	ccatgtgtct	cattgttcat	tccacctatg	agtgaga		1607

<210> 9390  
 <211> 516

<212> DNA  
<213> Homo sapiens

<400> 9390  
gacgtacaaa acctaagggg gtttaccacc agcagactta cactgaagga acttgaaaga 60  
atatacttca ggctgggtat ggtgacacac acctgtaatc ccagcatttt gggaggtcaa 120  
gccaggaaga ttgcttgagg ccagttcaag accagtctgc acaatacagt gagaccctag 180  
ctctacaaaa ataaataaat aaattagcca aatgggtggt gtatacctgt agtcctagct 240  
actcaggagg ctgaggcggg agaataccta gagcacagga gttgaagact gcagtgaagg 300  
ttgatcacac cactgtactc cagcttggtat gacaaagtac aaccctgtct ctaaataaaa 360  
gaaaaaaaaa gcgtatactt cagaaagaag aaaagagata gcaaaagggtc tgaaaaatag 420  
aaattgtaag caaagaaatt ggtaaacaatc taggcaaatc taaacaaata ttgctgggtt 480  
aaaatactgt gtaaaactcc ctatatatga ggaagg 516

<210> 9391  
<211> 1370  
<212> DNA  
<213> Homo sapiens

<400> 9391  
gcttttgtcg gacatcttta aagcattttt ctttttatag aatttcactt aatgtccaat 60  
actgatttaa tgagcttggg tttacacatt atctcttgaa gaaaacaaat gaacctttgt 120  
gttccaaagc aatccatggt taaagggaaa aaattatgca taactctgcc cagcttcaca 180  
gtaacctttg gcagggtgct taggtcctct gggactcttt tccttatctg aaaaatgaag 240  
gacttggtac aggtgaatgg ttcccagctc tgcaacttat gtggctcctc agaggcacac 300  
aagctctttt ccattatttg ccaaataatg gaggcctgt ctttaactgc agtacaacta 360  
cacaaaatac ttgaaactac agtcttcctg gtttttgggt ggaactgaat cagtgcactc 420  
tagcaacact tatttcttgc tgttcgtagg cttcattatg tgtttgggta atttttttaa 480  
acaacaataa catattccat aataattaca gcttaattgg cagactgttt cagtctatag 540  
gatctgcagg aaggaggagt aataaaggga tttttgactg agctcttatg gaacagagtc 600  
tctctaggcc cctgtcatat ctgcccttct gggccctggg gaaaagttgg catccccagt 660  
tgtggtgctc tccagggtgc ctcagggtgt ggtggaggga gcttccatt ctctccttca 720  
gcccactcaa ttcagaggct aggggctgaa agaagcttct ctacaactgg ctgttcactg 780  
ggaggttaag ggatgaccat ccagccaggc cttcctcagg acatgggagg gcttatgctt 840  
taacatgtgt aaatccactg caataatgac tggttctttt accccataag gttgagaatt 900  
tacctgtaaa catttttgtc tgaagaattt ggatgtaagt gagggctggg cctctatctt 960  
atctcacttg gcttctctca gcacagcacc ttgctgtgct gttcttacac atcctagatg 1020  
cacagtaact atttccta attagaaaat ctattagaat caattgattt cagctgggct 1080  
tggtgggtcc ttctgtaat cccagcactt tgggaggcca aggctggagg atcacctgag 1140  
tccaggagtt taagaccagc ctgggcaaca tagggagacc ctgtctctac aaaaaataaa 1200  
aaattagcca ggcattggtg tgtgcacctg tagtcccagc taçtcaggag gctgaggcag 1260  
gaggatctct tgagcctggg aggtcagact acagtgaaca atgattgtgc cactgcactc 1320  
cagcctgggt gacagagtaa gactctgtct cttaaaaaaa aaaaaaaaaa 1370

<210> 9392  
<211> 346  
<212> DNA  
<213> Homo sapiens

<400> 9392  
gacctggatt atggctggca ttcaataaat agtagctgtt aattgatagc taagctagaa 60  
ctctgaagtc taccatggca acttcttaag tggctctgaga acccagttgt gttctgtggc 120  
aaaacacagc ttagggatcc ataccagacc ctctgtcag ctgttcacct tccagttctt 180  
cagagacatg tgtggcagtg actttggcca catagctggc tgtgcccttt aaaggcattc 240  
cttgacacag atatgtggac tgggtgacgtt gctctccagc caggtgttct tcccagcagg 300  
ctggcctggc tgtctcctgc atgcctgtac ttgtttgtct cctgc 346

<210> 9393



<211> 1031  
 <212> DNA  
 <213> Homo sapiens

<400> 9393  
 aggttgagcgt gagctgagac taccctattg cacttcagcc tgggtgacag tgcgagactc 60  
 catctcaaaa agaaaaaaaa aagggagcaa gttctagtagc tgggtggata ttttattgca 120  
 ccaatttagg cttctcccca gagatttctt aaaacagaaa ggcagttgta ataccaagta 180  
 ttgctgtatc aggccacctg ctactccaaa gccatgaatt aacttggtct aagccctcaa 240  
 ggaaagaaaa gaggaacacag aggtttattc cctatcaaga cagtccactt gagaaagtgc 300  
 tgtcttggtt gtaacttcag gtttctttct tacacaggca ttttattaat gcttttacga 360  
 gttagaagag ttgggataat ttgccatctg gagtttctct gccttgctga tctgagctca 420  
 gacctgccaa tttaccagag ataattgata acaccctgta acagctgagt aagtagattc 480  
 ttctgtttta ctgcttttaa aaaaagttaa aagtttttaa atagtataaa ctttaattgg 540  
 gttcttttaa ttttggtgtt gaataatgca attattatga tattttgtga atatttgtaa 600  
 ataattggat tctggaataa attaatcccc gatgatagaa aagagttaat gaacactttc 660  
 tccatacata acacttttagc attcaagaaa cataggactt aaatacatat attaaaaatt 720  
 taggccaggt gcagtggtct acgcctgtaa tcccagcact ttgggaggct gaggcgggca 780  
 gatcacctga ggtcaggagt ttgagaccag cctagccaac atgggtgaaat cccatctcgg 840  
 ctaaaaatgc aaaaatttagc caggcatggt ggcaggtgcc tgtaatccca gctactctgg 900  
 aggctgaggg aggagaatca cttgaacctg ggaggcagag gttgcagtga gctgagactg 960  
 tgccactgca ctccagctctg ggcgacagag aggtctctgtc tcaaaaaaaaa aaaaaaaaaa 1020  
 aaaaaaaatt t 1031

<210> 9394  
 <211> 1031  
 <212> DNA  
 <213> Homo sapiens

<400> 9394  
 aggttgagcgt gagctgagac taccctattg cacttcagcc tgggtgacag tgcgagactc 60  
 catctcaaaa agaaaaaaaa aagggagcaa gttctagtagc tgggtggata ttttattgca 120  
 ccaatttagg cttctcccca gagatttctt aaaacagaaa ggcagttgta ataccaagta 180  
 ttgctgtatc aggccacctg ctactccaaa gccatgaatt aacttggtct aagccctcaa 240  
 ggaaagaaaa gaggaacacag aggtttattc cctatcaaga cagtccactt gagaaagtgc 300  
 tgtcttggtt gtaacttcag gtttctttct tacacaggca ttttattaat gcttttacga 360  
 gttagaagag ttgggataat ttgccatctg gagtttctct gccttgctga tctgagctca 420  
 gacctgccaa tttaccagag ataattgata acaccctgta acagctgagt aagtagattc 480  
 ttctgtttta ctgcttttaa aaaaagttaa aagtttttaa atagtataaa ctttaattgg 540  
 gttcttttaa ttttggtgtt gaataatgca attattatga tattttgtga atatttgtaa 600  
 ataattggat tctggaataa attaatcccc gatgatagaa aagagttaat gaacactttc 660  
 tccatacata acacttttagc attcaagaaa cataggactt aaatacatat attaaaaatt 720  
 taggccaggt gcagtggtct acgcctgtaa tcccagcact ttgggaggct gaggcgggca 780  
 gatcacctga ggtcaggagt ttgagaccag cctagccaac atgggtgaaat cccatctcgg 840  
 ctaaaaatgc aaaaatttagc caggcatggt ggcaggtgcc tgtaatccca gctactctgg 900  
 aggctgaggg aggagaatca cttgaacctg ggaggcagag gttgcagtga gctgagactg 960  
 tgccactgca ctccagctctg ggcgacagag aggtctctgtc tcaaaaaaaaa aaaaaaaaaa 1020  
 aaaaaaaatt t 1031

<210> 9395  
 <211> 129  
 <212> DNA  
 <213> Homo sapiens

<400> 9395  
 ggtgcggtgg ctacgcctg taatcccagc actttgggaa gccgaggtgg gtggatcacc 60  
 tgaggtcagg agtttaagac cagcctggcc aacatggcga aaccccgctc ctactaaaaa 120  
 tacaaaaat 129

<210> 9396  
 <211> 551  
 <212> DNA  
 <213> Homo sapiens

<400> 9396  
 tacaatatgt agtatattag aaagcaatga gtgcttttga gaaatgtaag gcaggcaaga 60  
 gtaagggctg aagagttgac tggtaaagag aatgttttagg gaaggcctca gtgagaagtt 120  
 gtgaagaagt tgatggaaag agcctgtggg tgtttggggg aagagtgttg taggcagaga 180  
 ggatagcaaa tgcaaagacc ttgaggcaga agcatgcctg gcttgtttga aaataggagg 240  
 aggctagtga atggagtgga gtgagtgaag gggctgtaat cccagcactt tgggaggcca 300  
 aggccagggtg gagcacgagg tcaggagatc aagaccatcc tggcgaacat ggtgaaatcc 360  
 cgtatctact ctaaaataca aaaaattagc cagggtgtggt ggtgggtgcc tgtagtccca 420  
 gctactcagg aggctgaggc aggggaatcg cttgaacctg ggaggcagag gttgctgtga 480  
 gctgagatcg tgccactgtg ctctagcctg gcgacagggc aagactctgt ctccaaaaaa 540  
 aaaaaaaaaa g 551

<210> 9397  
 <211> 549  
 <212> DNA  
 <213> Homo sapiens

<400> 9397  
 tacaatatgt agtatattag aaagcaatga gtgcttttga gaaatgtaag gcaggcaaga 60  
 gtaagggctg aagagttgac tggtaaagag aatgttttagg gaaggcctca gtgagaagtt 120  
 gtgaagaagt tgatggaaag agcctgtggg tgtttggggg aagagtgttg taggcagaga 180  
 ggatagcaaa tgcaaagacc ttgaggcaga agcatgcctg gcttgtttga aaataggagg 240  
 aggctagtga atggagtgga gtgagtgaag gggctgtaat cccagcactt tgggaggcca 300  
 aggccagggtg gagcacgagg tcaggagatc aagaccatcc tggcgaacat ggtgaaatcc 360  
 cgtatctact ctaaaataca aaaaattagc cagggtgtggt ggtgggtgcc tgtagtccca 420  
 gctactcagg aggctgaggc aggggaatcg cttgaacctg ggaggcagag gttgctgtga 480  
 gctgagatcg tgccactgtg ctctagcctg gcgacagggc aagactctgt ctccaaaaaa 540  
 aaaaaaaaaa 549

<210> 9398  
 <211> 1693  
 <212> DNA  
 <213> Homo sapiens

<400> 9398  
 tggcctcagg actcatctct gtcttctcca accccagctg gcctccatgt cccctggggg 60  
 ctttctgctg ctgaccagct tgggccctac tataggtttt cttgctgggc ttaggagcct 120  
 gagagaggta gccatttcca aaagaaaaga tttctatctc agattatctg ggaaagaggc 180  
 tgagtaggtc ccttctctga ggaaacaggc agcaggacat aggatggggc agtgggagga 240  
 aaaggggtct cactatgggg tccttgggct gtgcactcct gaccttatca cttcacagtt 300  
 cccaccagat ctgacttgac ctccgggcca tgaccagtc cctccccac tctggaaacc 360  
 tctgtgtccc ctctgtctcc tttcactccc acctgggagg ctctgagcag gccagggtcc 420  
 ctctctccc geectgtcct ccttttctcc tctgtctccc ccagccatcc cccagccag 480  
 gctctcccac ctctggcccc acctcaacct ttggccttct tctttccctc gggcgatggg 540  
 agcctgggtt ggctgcccag ggaagattgt atctgaccac aggagggagg gctgagggca 600  
 ctgctgggtg agctgaggcc tccttaggtt cttgctgtag tctgagttca agtcatttag 660  
 aatgagtga ttgaggaaga gggagctggg agcccttttc accagcaggg ggactggagg 720  
 agtcgaatgg ggtggggtct tctcgttttg attagcttct ggtggaggtc ccaggctttg 780  
 gcgtgctcaa gcttggagtg gcagggagca ggctggctt gaccttcttt ccttctctgct 840  
 cctctctctc acctctctct gcagctcttt cactcgtct ctctctctac agatgggacc 900  
 caggtgagcc cgggtgcccc ctactgcagc cccactggcg caggtgaagag tcaaaccggg 960  
 gggagtccat ggtagggagt ggaagatgag ggtggaag gctgtaagaa cgcgagaagc 1020  
 tgaggggtta gagaagcagg gtcgctggct gatctgccag agagccagga ggtggcggct 1080



aaaggcaaaa	ctatggagac	aataaaaagga	tcagagatgc	caggggttgg	gaaggágggt	600
aaattaatag	gtggaacaca	ggatttttag	agcagtga	ctattctgta	tgatataaca	660
atggtggata	catatcatta	ttcattttgcc	ttaaccacaca	caatgtacag	taatgaaagt	720
gtactgttag	gtaaaactgtg	gacttttagat	gatgatgtgt	caactgtagg	tcattccattg	780
gaataaatgc	accactcttg	tgtgggat	tgatagtggg	aagactgccc	aattaagaaa	840
tctgtacttt	ctactcaatt	ttgctgtaca	tttaaaactgc	tctaaaaaat	aaactctgtt	900
ttagcctgta	acccagcac	tttgggaggc	tgaggggtg	tatcacttaa	ggccaggagt	960
tcctgaccag	actggccaac	atggtgaaac	cttgtctcta	ctaaaaatac	aaaaattagc	1020
cgggtgctgt	ggtgcatgcc	tgtaatacca	gctattttaag	aggcatgaga	atcgcttgaa	1080
cctgggacgg	gggttgacgt	gagccaagat	cctggcactg	caacttcagcc	tgggtgacag	1140
agcgagactc	tgtctcaaaa	ataaatacat	aaatacataa	ataaactctg	tttttaaaaa	1200
tgagcaaaaag	gccaggcacg	gtggctcaca	cttgtaatcc	tagcactttg	ggaagccgag	1260
gcgggaggat	caacttgagg	caggagttca	agaccagcct	ggccaacatg	gcaaaacccc	1320
atctttacta	aaaatatcaa	aattagccag	gcattggtggc	atatgcctgc	agtcccagct	1380
acttgggagg	ctgagggtgg	agaatcgctt	gaactcgaga	ggtggagaat	gcaatgagct	1440
gagatcacac	cactgtactc	cagcctgggc	aacagagcaa	gagtcctgtc	caaaacaac	1500
aaacaacaa	aaagagcaaa	a				1521

<210> 9402  
 <211> 1570  
 <212> DNA  
 <213> Homo sapiens

<400> 9402						
cctctccctc	tctttccaca	gtctccctct	ccctctcttt	ccacgggtctc	cctctgatgc	60
cgagcgggaag	ctggactgta	ctgctgccat	ctcgggtcac	tgcaacctcc	ctgcctgatt	120
ctcctgcctc	agcctgccga	gtgcctgcga	ttgcaggcgc	gcgccgccac	gcctgattgg	180
ttttcgtatt	tttttggtgg	agacgggatt	tcgctgtgtt	ggccgggctg	gtctccagct	240
cctaaccgcg	agtgatccgc	cagcctcggc	ctcccagggt	gccgggatgg	cagacggagt	300
cgcgttcaact	cagtgtctca	tgggtgccag	gctggagtgc	agtggcgtga	tctgggctcg	360
atacaacctc	cacctcccag	ctgcctgcct	tggcccccca	aagtgcggag	attgcagcct	420
ctgcccggcc	gccacccctg	ctgggaagt	aggagcgtct	ctgcctggcc	gcccctcgtc	480
tgggatgtga	ggagcctctc	tgccctggctg	cccagtcctgg	gatgtgagga	gcgtctctgc	540
ccggccgccc	catctgagaa	gtgaggagac	cctctgcctg	gcaaccgccc	cgtctgagaa	600
gtgaggagcc	cctccgcccc	gcagccacac	cgtctgagaa	gtgaggagcc	cctccgcccc	660
gcagccaccc	cgtctgggaa	gtgaggagcg	tctccgccc	gcagccaccc	cgtccgggag	720
ggaggtgggg	gtcagccccc	cgcccggcca	tccacctcgt	ccggaaggga	ggtggggggg	780
ttaggcccca	gcccggccag	ccgccccgct	ctggaggggag	gtgggggggt	cagccccccg	840
cctggccagc	caccccgctc	gggagatgag	gggcgcctct	gcccggccgc	ccctactggg	900
aaggaggagg	cccctctgcc	cggccaccac	cctgtctggg	aggtgtactc	aacagctcat	960
tgagaacggg	ccatgatgac	aatggcggtt	ttgtggaata	gaaagggggg	aaaggtgggg	1020
aaaagattga	gatatcggat	ggttgccgtg	tctgtgtaga	aagaggtaga	catgggagac	1080
ttttcatttt	gttctatact	aagaaaaatt	cttctgcctt	gggatcctgt	tgatctgtga	1140
ccttaccccc	aacctgtgct	tctctgaaac	atatgctgtg	tccactcagg	gttgaatgga	1200
ttaaggggtg	tgcaagatgt	gctttgttaa	acagatgctt	gaaggcagca	tgctcgttaa	1260
gagtcatcac	cactctctaa	tctcaagtac	ccagggacac	aaacactgtg	gaaggccgca	1320
gggtcctctg	cctaggaaaa	ccagagacct	ttgttcactt	gtttatctgc	tgaccttccc	1380
tccactattg	tctgtgacc	ctgccaatc	cccctctgcg	agaaacaccc	aagaatgatc	1440
aatttaaaaa	aaaaaaaaaa	aaagagcaaa	agacttaaac	agatacttca	caaaataaga	1500
tctcaaaaa	cccccaaat	gtgaagaaaa	ccctagaatt	gctaaaataa	aaaagtacta	1560
acaataccaa						1570

<210> 9403  
 <211> 1426  
 <212> DNA  
 <213> Homo sapiens

<400> 9403						
aggcaacatt	atctgccttt	gaaacaccac	ctccgtggat	taccattttg	cccaatggga	60

gggtctggat	aatgccatt	atattatcct	aattccctgc	tacctcagag	gttggttaagg	120
ggcacttctg	ctgtttccct	ctgagtacc	tctggctgcc	actctcttgc	agatgctcct	180
tttcctctca	gggatgagtc	ggagctggga	ctgggaaagg	cagccctctt	gtttctgttc	240
aagttggcca	ggaatgcca	ggaatgatga	ttctgttttg	ccagcttctt	gccgtgagge	300
tggggttgct	gtgtttacag	cacaaccaac	cctaaagtca	gtgcaattca	ctgtggattt	360
attgagcacc	tgctagtatg	tgcgtgtgtt	gggggtggta	tatgaaaatg	atggaggcag	420
gtctctgcct	taaatgaggg	aggggtgggca	aacagctccc	acggtcggcg	gttgaaccag	480
ttcctattct	ttctcatagg	aagtgtccat	aaacattgtc	ttgtctcatt	tgcatgggtg	540
ttgagagggt	tgaatgtagt	ggtaatgaat	tgagagtgtc	tctaaaggta	ttaagctctt	600
gatttatgta	aaactttctt	cagtattact	aggcaggctg	ataataaaag	ctaacatata	660
ttgaatgctt	tctatttgcc	aggcactgcc	ctaagtgtct	tctatatatt	agcttattta	720
atctttatag	caactttgaa	gtagattgct	tgtgtacca	cttaaaagag	gattaaaaaa	780
acttgccgag	gatggcacag	caggtaagta	gcagagccag	gcagtctgaa	cgtttgcca	840
aacactggcc	actgtaaaga	tcttgtggaa	gtcagggagt	agagggtgtc	tctctcccc	900
aagtgaaggc	agcagccagg	acctaccgtc	agagaccagc	aaggagcaga	gaaaggtcag	960
gctgggtgct	cagaaagcat	cagcatttct	gcacaactta	attaaattac	tgaacacctt	1020
tctgagcttg	gagccatctt	tcttggagag	taatacaatt	gaaacagata	atttaagcca	1080
aggaggaagg	acagaattgg	tgagctcaca	tatgtagatg	gacatgtaat	gacgtctgac	1140
taaaacacag	aggaaaaacc	ttaaagtga	tcatgtttat	tcaattttcca	aacaagtgca	1200
aagaccagag	cagcgtgctt	catgtttgga	ctcttgaaga	acacacatgg	aaaaaaaaaa	1260
agaaaaaaac	ctcttccctt	ctcaaccctt	ttctaagttt	ttattaagaa	tatattaatt	1320
tgagcattaa	tatgcaatgt	atccatcttt	gtcagttatt	ttccagaaaa	atctagctca	1380
ttttttgagg	caacttctag	ccaagttgtt	tcagttgtgg	agaatt		1426

<210> 9404  
 <211> 111  
 <212> DNA  
 <213> Homo sapiens

<400> 9404	ttacaggcac	ctgccaccac	gcccaggtaa	tttttggatt	tttagtagag	acgggggtttc	60
	accatgttgg	ccaggctggt	ctggaactcc	tgacctcagg	tgatccacc	a	111

<210> 9405  
 <211> 363  
 <212> DNA  
 <213> Homo sapiens

<400> 9405	cttgatag	ttatttagcc	cttctgcttc	tgttttttgt	tttgttttgt	tttgcctaaa	60
	acggatataa	cagtacctac	cttttaaggt	tgttgcaagg	attaaataag	atattagatg	120
	taaaatgctt	acatctgtgc	gcagtgacta	agcactcaaa	tgccagttaa	taataataat	180
	tctgtgatta	tcttgaggtt	tcatgtttct	ggagttaggat	tatgaccaca	acatttacag	240
	aatgaagtcc	tgcaggatga	caaaacatcc	ctgtcccat	tgacacagcc	ccaagtcacg	300
	ggcttgcaaa	agaatgtttg	ccatccctag	gaagcctaac	acagggcgct	gggaaatgct	360
	tgc						363

<210> 9406  
 <211> 11838  
 <212> DNA  
 <213> Homo sapiens

<400> 9406	agcctaggca	acagagcaag	actctgtctt	taaaaaaaaa	gaaagaaagt	tatgttttta	60
	ttctgtaact	gcttctaaat	attcttcagt	acccatttca	acccgagaaa	ctactgtcac	120
	agctgacagg	agttattaac	ctctctaaat	ttcaggggga	aaatgtataa	atatgtcatg	180
	tatttgataa	atagttttcc	ctttttttta	tgaaaagatt	atctgattgg	attgacctgc	240
	ctactaattt	ttgctattaa	cttttttcatt	cttaggcaat	aagcaacaaa	gaccagcata	300

gcataatcata	tacttttatct	cgggcccaga	ctgtggtggt	tgaatatact	catgacagca	360
acaccgatat	gtttcaggta	ttacaacatc	ttaaatTTTT	tttcttaaga	aacgaaaaag	420
ttaaaaatct	attgttggtg	acttttgctg	aggtcagagg	attatcagat	ttttatatgt	480
tattttatta	aaatatagat	tgatttgctaa	cccttataaa	tagaagtcaa	tctagcatgg	540
ttgagatggg	ctccagaata	agaattactg	gtaaatatta	cataaccatt	atatgcctca	600
gtttcctcct	ctgtaaagtg	cagataatag	actctccctc	atgactgtta	agaggcttaa	660
atgatctagt	acatgtagag	tactcagcac	tgtgcccaggc	acttagtaaa	aacacttagt	720
gaatagtagc	tattatccaa	aaaagaaaaac	agtaaatact	ctgcatacat	ttatgacttt	780
ttctaccact	acctcccacc	ttcctctcta	gacaataaac	aatccaggca	cttgctaact	840
atttgtatta	tctatgtgaa	atcaaacctt	tttctcagca	tgtatttggt	caatgctact	900
catgcaataa	aagtattttt	ctcttacttt	ttgtaccaat	ccagtgcctga	tattttataa	960
actgatagat	tttaggacag	tcagttccaa	agatgtaaat	agaatccttg	atcttctccc	1020
ttaatatattga	gctctctgaa	gcttaggctt	tttaaaaaaca	aacttaagta	caacataaat	1080
tgccctgataa	tgttgctttt	ataattattg	tcacattgac	ttccattttt	ctttattttta	1140
caaggcaaat	aaaagtgaag	agacctggaa	atatatttta	tttcagtcga	tagtgaaata	1200
tttctttgaa	gccactccct	ctgcccacac	cttttaatga	gatgagatac	tgaatttctt	1260
ttctctagtt	aattattagaa	tgtgggcatt	tattatgttt	tcctcacttt	taccaaaaat	1320
aaataagatc	tttaaggaag	attaatgttt	agatccaaga	aaaaccgaac	acaaagcttt	1380
aggatgattt	ttcacatttt	gtttcactga	caagcagtga	aaatgaatga	gcttagcttt	1440
tttttaaaat	caagatgcta	ctaggcctgt	agtctcagtt	actcaggggg	ctgagggtggg	1500
aggatagctt	gaggccagcc	tgggcaacat	agtgcagact	cgtctcttta	ataaaatata	1560
gataaatata	tatgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	tctccaagat	1620
atttgggtcac	aggctagaat	tttagcttca	gaaagtacgt	tatatttatt	tgtttaccgc	1680
ttatcttttg	tagatgaggt	taactgaaat	cttgtgagtt	aaagatgata	gagttacttg	1740
ggggcaaaac	tgaatttaa	ccaggcatcc	tgaattctga	aacaatgtct	tcaccactta	1800
atgaaggccc	ttgaataagt	tttaacagtt	tgggttttgt	ctttttcata	aagtagagaa	1860
ttttcccag	tatcataaac	tgattatgcc	ctttctacag	gtattatacc	tttggaataa	1920
ccaaacattt	ctgcatcaaa	aagactgtga	tgtatcagaa	actaccttga	taaactagcc	1980
agtctttgag	gaattgtact	ggaaacattc	taggattgtc	taccctgtaa	actgaacaag	2040
aacattttatt	gttcaagtca	tcagatattc	caactccaac	tctatgcctt	gtttgtcact	2100
atgaagtaca	taaggggagac	attacaagct	gattacatgc	ctaggtgctg	tactgaccct	2160
gtaaatctta	agcacattga	ttgtgttgaa	gaaggatgga	gaaaagactt	tacactgggtg	2220
ccttttcatg	tagatctttt	tatcagggtta	agtaggattt	ttgccagcaa	ccggtagaaa	2280
agcattctag	caaaagagat	ggcaaagaag	caaagaagta	gtacacagtg	tggtgaaaga	2340
ttgacgaata	agctgttgta	gcttgatatac	acaaatagca	ggaaattcgg	ctggattggg	2400
agatgggagg	caaattcttga	gtcagtttct	aactattatc	agaaataata	aactacaaat	2460
tttgataag	ctataaggaa	ccattgagtt	ttctcatgag	ggtaaggagg	agtaacaaaa	2520
gagctgtatt	tttaattgcta	ataatagcag	gggaagaatt	attaacaatc	atattttggc	2580
atctgatcac	attcatgggtg	gtttttttct	ctttatagat	acttaagttt	cttccttctc	2640
attgtcatta	caaattattgc	ttcagtgctc	taaatattct	cttccaagac	ccagttgaaa	2700
tgtcagctct	ctggaacagt	ctctttccaa	ataagtgtca	cttctgttga	ttctgaatat	2760
tagttcaact	cttggcctat	atcttttagc	ttttaaagag	cctttttatt	tgggggaata	2820
ttttttgttt	caaagatctg	aggccattta	aggtatcttt	attttttaaga	ataaagaaaa	2880
ggaatatcca	atcttatatt	tggttaactag	tttccctcta	aaactatcca	atctaaataa	2940
aaagacttta	tacttgacag	ttggacaaaa	acactaaaga	ggtttatctg	aaagtgtgcc	3000
gatatgagga	acttgaggct	aaaatatgta	aagaatgact	tttaagagtc	tttatctttg	3060
tagagggtca	gtattttttc	tcagtaccca	cattcttcaa	ttttatggta	ctactttata	3120
acaaatacat	tcatgaactg	ataatttcca	aatgtttgct	ttaaagcccc	gtgacacttg	3180
tcacttttgt	catctcccca	ttgatttcct	tttttctttc	aactttcaaa	atgaaattaa	3240
cttatttact	agctagtacc	tctgaagata	tttttaaate	tctgacacct	cactcatcca	3300
gaactcttat	ctgggaacct	tgtctctctg	aaatatccct	aagaaccagg	aagagtatat	3360
atataaaata	aatgccacaa	agttgactga	gtgaaattcc	ttttctattc	tccctagagg	3420
atcccttagg	ctctcaccag	aaccttttga	aatacttttc	tctgaaatag	gttatttgat	3480
ttctcaaccc	ataacagagt	aagagtagcc	agttaaaaga	ggggcttggt	gctggaaaca	3540
agcatgacca	aaaacaagga	gtgatagctg	acaacctgac	agaaaagaaa	caagaaaata	3600
tatgaagtat	acataagacc	tcaaagcaag	gctgtgtgta	cccttgacat	aaggaccagc	3660
agccttgat	acctcttgta	gcacctgaag	acatcactgc	atttcagctt	aacgtaagtg	3720
gtattttatag	tgtaatgttc	tgcagtcact	ctaaaagatt	tacttatata	tgttcactat	3780
attctgttaa	ataaggtaga	atatctcttt	aaatatctct	aaagagaaaa	aaactacatg	3840
atacacatat	ttccatccaa	aagggttaaa	attaaaatct	gcagccatct	agaaatctca	3900
gccgttccctg	aattcttcat	tccctaaggg	tttcgtatat	tattgtaagt	tctcatttaa	3960

ttccatgctc	taagtgatta	cttcatcaga	gacagtctga	ctgattagtt	ttcaagagta	4020
tagatgcccc	cagcgtaaag	tatggtaaac	ttcaacttta	gaaatttcag	agacctaatg	4080
ttctctcctt	attgtgccct	tcttgaatgg	attttccact	gtgctctttg	aatgggttta	4140
taggtatttt	tttttttccc	tcagattggc	cggtcgactg	aaagcccat	tgattttgta	4200
gtaactgaca	cggttcctgg	aagtcaaagt	aattctgata	cacagtcagt	acaaagcact	4260
atatcaagat	ttgcctgcag	aatcatatgt	gaacggaatc	ctccctttac	agcacggatt	4320
tatgctgcag	gatttgactc	atcaaaaaac	atctttcttg	gggtaaaaag	ctttttttct	4380
aatgatgct	ttcttttata	ctagctttca	ttccaagtta	caagttacaa	gttggaagct	4440
cactgctatt	attttacta	ggagaaggct	gccaaatgga	agacatcaga	tggacagatg	4500
gatggcttga	ccactaatgg	tgttcttgtg	atgcatccac	gcaatgggtt	cacagaagac	4560
tccaagcctg	gaatatggag	agaaatatcg	gtgtgtggaa	atgtatttag	cctacgtgaa	4620
accagatcgg	ctcagcagag	aggaaaaatg	gtaaatactg	aatgggtattt	tcttaattag	4680
ctacaataaa	cacataggat	gagtagaact	gaatgcatta	catacattcc	agaaaactct	4740
taaatctatt	gccaacacag	aataactaagt	ctatcaaaca	ctgactacca	aattctatac	4800
tagaggacag	tctctttaat	atttcgttta	gtagccgggc	gcggtggctc	acacctgtaa	4860
tcccagcact	ttggaaggcc	gaggcagatg	gatcacctga	gatcaggagt	tcgagaccag	4920
cctgagccac	atggagaaac	cctgtctcta	ctaaaaatac	aaaataagcc	aggcatgggtg	4980
gcgcagctg	taatcccagc	tactcgggag	gctgaggcag	gagaatagct	tgaacctggc	5040
aggcagaggt	tgcggtgacc	aagattgctg	cattgcactc	cagcctgggc	aacaagagca	5100
tttagtaact	ctggaagttc	attcttctgt	catatcatgt	taatatattt	taaaacctaa	5160
gctttcttaa	actaaacagc	actccctctg	atcttttctg	ttgccatctg	tatatcttaa	5220
accatattta	cctcattaaa	aatatttagac	ttattgatta	gccagatggt	ttaatcataa	5280
gttgtcttta	ccataaggct	aaaaagaaat	atgttaaatgt	ttgatatttt	atccttgatt	5340
ttcaaactta	acatttttca	taactactgt	cagtttcttg	aatatttagt	gaaaatccta	5400
ggaaacctca	ttctttgagt	aaggagtact	taaaaccaa	acacttatgt	aaaaatccaa	5460
aacagagtgg	tgaatatggt	tttcaactct	tgtctcctct	aggtggaaat	tgaaccaaat	5520
cagttacaag	atggctcggt	aattgacctc	tgtggtgcaa	cattgttatg	gcgtactgca	5580
gaaggccttt	cccacactcc	taccgtgaag	catttagaag	ctttaagaca	ggaaatcaat	5640
gcagcacgac	ctcagtgcc	tgtagggttc	aacacactag	catttcctag	tatgaagagg	5700
aaagacgttg	tagatgaaaa	acaaccatgg	gtatatctaa	actgcggcca	tgtacatggc	5760
tatcataact	ggggaaacaa	agaagaacgt	gatggaaaaag	atcgtgaatg	tcctatgtgt	5820
aggtctgttg	gtccctatgt	tcctctgtgg	cttggatgtg	aagctggatt	ttatgtggac	5880
gccggccctc	caaccatgc	gtttagcccg	tgtgggcata	tgtgttcaga	aaagacaact	5940
gcctattggt	cccagatccc	acttccctat	ggctacctata	cttttcatgc	agcctgtccc	6000
ttttgtgcac	atcagttggc	tgggtgaacaa	ggctacatca	gacttatttt	tcaaggacct	6060
ctagactaac	agaccattgt	cttgcaggac	tacattataa	atttataagc	taagtgaagt	6120
gggttttcga	acctgttgtc	cacgtcacag	tttttctgct	ctggtcattt	gcattaagat	6180
gaagaatttt	ttaaaacatt	tataataaat	agtagcaatt	tctgagcaaa	aatctgggaa	6240
actcaagcaa	aggaattttct	gaaagtatca	gtcttctgaa	ttctgagttt	tgaaaatata	6300
ttttgaggag	aaaaagacat	agtctaattt	gatgccttcc	tttttagtgtt	tttgaatcac	6360
ctatcctcag	tgttgaaatt	gttttgtata	actgagggtg	ctggttggtc	aaactatggt	6420
agttttacagt	ttgttgcaaa	cattgttaaaa	tacagcgaca	tgtatattaa	cttttttcta	6480
tttatcttta	ttatagaaaa	taccttagaa	tgttcttgat	agagtagcat	ggtaacgatg	6540
gtgtcacacc	cttgggtgtga	atggtagctt	agttagcaac	ctagctcaag	gatttgcaaa	6600
gttaggaaga	aggacgagag	agcctctctc	cccaccccaa	tctaaatatg	gaatttggtg	6660
aattagaata	ctttgtaatt	tgtgaagacca	aattcatact	aattaccgcg	gtgaaagggtg	6720
tttggtttta	acaacattga	agataatcag	gaaagatttt	ttcttaatgt	ttctctcgag	6780
cgtagtacta	taacaaaaac	ttaatgctaa	gaaacatttt	atatgctcct	ttggatatgc	6840
aatttaactc	agattatcta	tttttctccc	atgataacta	atctgttttt	agtatcagca	6900
gcatttggca	agttttatttt	ttggatataa	actgtgggtc	atctgttcac	tgtttctaga	6960
aaaaaatcat	tgcataaga	aaaagtataa	attagcaaga	aaggagagtg	acttgatttg	7020
cttttggaag	aagaaatgct	taattaatta	ttctgtattt	ggccttattc	gggcattagg	7080
aatctagag	atctaaaggg	ttgaatgaca	atagtgcctc	cgttttttagc	agaccagcct	7140
taactctggg	tttgaatcct	aaggagattg	ccacagttag	acttaaggaa	atgtttgggt	7200
ggcagatgag	caccaatgac	tgcagcgtgg	agtgcgcac	tgcattgggt	gtttattctc	7260
taattccaat	atgtcttttg	cttcagaag	caagaaaagt	ttcttctctc	cctccttcc	7320
cacccttttt	tcaaaggcac	cacaagtata	gacagttgca	ctacatcaaa	tctttttttg	7380
acacttgtag	aaaccagtac	acttttagat	tagacagtat	cttcttttaa	tattttgatt	7440
tgttttctct	tagtttgaaa	agttgtataa	tacttaactg	actgtagcaa	agttttatat	7500
gtggtagcat	acctttaatt	tatcctatta	caaaactggt	ctgaattttc	ttttggtttt	7560
taaaaaacia	aacttgtttg	ttagaagcca	tgaattattt	tattttactt	caactgtcga	7620

aacttcccttg	ttttaaaaaa	tgatcatttg	ggttcactca	ggaaatgcat	gtcaggaaac	7680
ttgtattata	agttttattag	ttgtgatgta	tcagtaactg	ctgttacccc	tttttcaaag	7740
aaatgtaatt	gattttgaag	ttttctagat	tgtcacatgc	tttgtgacta	atgcaagaaa	7800
gcaagtccctg	tgttgtattt	gttctagtca	tttttattca	ggctatataat	tgtagcttaa	7860
tttttatttg	caattaattt	attttaaacta	agtaaatact	tttcaaaaata	cataattgaa	7920
ttcgtctctg	tgagttctatt	tttgcataat	cgagaattgag	aaaccagaag	tgaaaactgt	7980
gacaactct	attccacact	ccaaaaatac	tcatttgaaa	tagatgaaga	gtttgcattt	8040
aatgtaacac	tttaaagtat	ctgggttcttt	tttaaaagca	tctcttacta	ataaaggaac	8100
tttgtttagtg	gttgaataat	tgaggccttt	tctaagttaa	gccttgctag	ggagttggca	8160
cctgtaagtt	gcatgtttaga	ctattttaa	agtggcttcg	taaccataaa	agttgcacgt	8220
ccttcccaaa	gttgccctgca	ttttcttcta	acaggtaaaa	acaatctctt	ctaacaggga	8280
aaaacctggc	tcatttttcta	tcaaattcaa	gtttttaaaaa	ttcaggccaat	ttaaattgatc	8340
agttgggtgt	tttctgttga	agcagaactg	tatttttgtc	atggcctaata	agaacacttt	8400
tacttttagtg	tattgaaggga	atgtcagtat	cttggccaag	gaggagaaaa	agttgtattt	8460
aggtctttcta	aatgcattct	caagaaagat	aatctttatg	gcttaactct	tttatcaaag	8520
taatctttat	atttaaattgc	tacttaattt	gttcaaggaa	ttaaatttcc	ctttatctaa	8580
aatgttaggg	taatgaagca	agacatgaag	ggaagccatt	cagacatcag	agttctttta	8640
ctaggttatc	ctcttgcaac	cttctttgct	tacttccctc	atgtaaaagt	cttctagtag	8700
atgtaaagca	gggtaggaat	aaataataat	gtaagtatgt	aattacttct	tctttttttt	8760
tttttttttg	agacggagtc	tcactctgtc	gccaggctgg	agtgcagtgg	cgtgatctcg	8820
gctcactgca	agctccactc	tccgggttca	cgccattctc	ctgcctcagc	ctcccaagta	8880
gctgggataa	caagcgcccg	ccaccatgcc	cagctagtgt	ttgtattttt	agtagagaca	8940
gggtttcacc	atgttggtca	ggatgctctc	gatctcctga	ccttgtgatc	cgcccacttt	9000
ggcctcccaa	agtgtctagga	ttaattactt	ctaacatttg	agtgtcccac	ttcactcttc	9060
ccgtctgacc	cagactgagg	gcactggtga	aagtccactt	attatgtctc	taagggtata	9120
agctcaacat	aactctaaca	ctttggccct	tcgttgcaat	ggatcatctt	gtgctaccac	9180
ttcttttttt	gtttaagaca	gggtcttgct	ctgttgccga	ggctggactg	cagtggtgca	9240
atcacagctc	accacagctc	caacctccca	ggctcaagca	attcttccac	ctctaccttc	9300
tgagtactcg	ggactacaga	tacacaccac	cattctgggc	taattttttt	cattttcagt	9360
agagacgccc	cttgactaga	tttcccaggc	tgggtccaaa	ctcctgctct	taagcaatcc	9420
tcctgcctca	gcctcccaa	gtgcttggat	tacagggtgt	gagccaccac	accctgctgt	9480
gctaccacac	tttagagacc	actgggttaat	aaacctatgt	tccattccct	tctctgtttt	9540
ctctaagcac	tgccctatag	caaatcagaa	cagcaaaact	ctgcatact	gaactctgtt	9600
attctgtctg	tcacccccac	tttcagaatt	actcttatat	aagtattctt	taatgtttta	9660
tcctcaaatt	ttatctactt	tttttttttt	tttttttttt	gagacggagt	ttcattctgt	9720
cgccaggct	ggagggtagt	gggtgtgact	cggtcactg	caacctctgc	ctcccggctt	9780
caagcaattc	tccttgcttc	agcttcccca	agtagctagg	attacaggtg	ccggccacca	9840
cacctggcta	atttttgtat	tttttagtaga	gacgggggtt	tgccatgttg	gctaggctgg	9900
tctcgaactc	ctggacccaa	gtgatccacc	cacctcggcc	tcctaaagtg	ctggatttac	9960
aagcgtgagc	caccacgccc	ggcctctgct	ttcttaaaac	agatttttgt	ataccactg	10020
tgtgccaagc	cctgtcctaa	accgggtgat	atagcaggaa	aaaaaaaaatc	cctgccttca	10080
tcgtgtttgt	attctagtgt	acaagataga	aataagcaag	aaaaagtaaa	tatatgtata	10140
tatacaatat	gatagtgaac	tgtgtctgagg	gggcaataa	agtagaaaaga	ggagatgcag	10200
attgcaaaatg	tcatatgctg	gggcaggagg	agaagtgttt	gcaatatcaa	acagggaaggc	10260
tagggaaagc	cccactggga	aggtggtatt	tgaataaagc	tctaaaagag	ctgaagagag	10320
aaggaggtgg	ccacttagag	gggcatttag	gcagagagct	ctacaaggcc	cttgcaaggg	10380
ccctgaaata	gaagcatgtc	tgggatattt	ctacaatagc	aaagaggcgt	gtgatgccaa	10440
gtggtatgaa	tcaaggaaga	gtagcaggta	aggtcaaaga	agtaaaacga	cagaatttaa	10500
gtgacagatg	gggatgacaa	tagattatgg	agagccccct	gggatttatg	gctttaattc	10560
tgaatgagat	tgggacattg	gagggttttg	agcagggtgag	tgacttgatg	tgacatattt	10620
aataggatct	gaatacactg	aagggtggat	caggggagaac	attgcagtaa	tcctggagat	10680
aatcatcgtt	ttggataaag	tggtggcagt	ggaggtgggt	tgaaaagtga	tcagattctg	10740
aatgtgtttt	aaaggcagac	ctgacagcat	ttgtgtgcag	atcagctaca	gggtttgaaa	10800
gaagagggat	caaggatgac	tccactcaat	cagcctcagc	aactggaagg	gtggaactgc	10860
catttggtga	agtagagatt	ataggaagaa	ctgttttaggg	gatgaggctc	actggtggag	10920
gaatcaggaa	ctccgtcctg	agtgttagac	tgaggcacct	gtcagacgac	atttgccaaa	10980
ggaaggacaa	ctccacttat	aactactatc	aaagttctca	accattatga	tcagtgttct	11040
ctgtataccc	cacgctagct	tagaaaacaa	caaaaaagta			



aaaaaaaaaa	caaaaaagag	tcttcagttt	tcttgaatct	taatatatttg	ctgcttcaaa	11340
tccttttttg	cagtggcaga	gcacaagttg	tgcttttgctt	ttaaagtttt	tgaaaaaata	11400
tttgagtgtc	tatggaaaac	agaattctta	aacctataag	ttcagatttt	aatgtccagt	11460
ttccctgaag	gaaataggcc	tgtattttgat	aattatcaac	aaaaaaaagt	aataagatcg	11520
agttttccag	gccgggcgcg	gtgggtcacg	cctgtaatcc	cagcactttg	ggaggccgag	11580
gcaggcggat	cacgaggtca	ggagatcaag	accacgggtga	aaccccgtct	ctacgaaaaa	11640
tacacaaagt	tagccgggcg	tagtggcggg	cgctgtagt	cccagctact	tgggaggctg	11700
aggcaggaga	atggcgtgaa	cccgggaggc	ggagcttgca	gtgagccgag	atcacgccac	11760
tgcactccag	cctgggcgac	agagcaagac	tccgtctcaa	aaaaaaaaaa	aaaaaaaaaa	11820
aaaaaaggat	cgagtttt					11838

<210> 9407  
 <211> 16092  
 <212> DNA  
 <213> Homo sapiens

<400> 9407						
gaaaaagaat	ctcattttgt	ttcacacact	ggcacctggt	atggagatca	acagttgctc	60
aaaggaattt	taaataatta	taatgtgtta	atagataatt	aattgggaat	tgattctgca	120
aggcaaagtc	aaacattttg	tttataattg	tgcagttctt	gcaagagatc	acctatactt	180
tttttcccc	atcaggtata	atgggtctct	cccaaattgg	gatagaggaa	ggaggaaaaa	240
taggtttgct	ttgtttaaaa	gacctaaagg	aaatgggggt	aagcccagca	ctgtgcatat	300
tgcttgtact	cctcaggctg	caaaggtaaa	aaaaaaaaaa	aaaagctaca	taaattaact	360
tggagaattt	gaaagacttt	tatgtgttgt	ttgtattctc	tagcattccc	cttacatttc	420
tatttcagaa	attgcctttt	gtttggattg	gagaagagac	tttggagaca	tggtatttga	480
agagctgcc	tatggaagg	gaattggact	tttaaaaaaa	aaatgacaaa	ccaggatcag	540
tgggtggaaa	ttagaaggaa	acactctgtt	tccttattaa	aagagggtgg	atgggggaca	600
gggctttatc	tagtacttag	aattatgcag	ctgtctgccc	tgagaagtgg	gaagttccca	660
ctctgttact	agaggggtct	ccctggactg	gatgaagaat	gtgatgtata	atatgtgtat	720
tcaggtatta	gaagcacatt	tggatgaggt	aattttttaa	ctaagggtct	ttacttaaga	780
ttctttgtat	tggttgtatt	cattttttgt	ttataacttc	atatatttga	gcatagtacc	840
ttgcacaaag	tagacctcaa	taattattaa	gttgaatcaa	agctatgaag	gcaatatcca	900
actgcatcta	caatataact	tctcaacccc	ctagcctatt	tcatgcttct	agcccccttg	960
tattcttcta	acaaaatttc	cagaagctgg	accaccattt	caggatactt	gggcttttcc	1020
tagagtgaca	gacaaggagg	gggaatttca	catctttata	ttttctgtga	attcatctgc	1080
ctccaatttt	ataacactga	citttgtgtta	caaagaattt	aatattgtaa	tgagcaaata	1140
agaaaaatta	gaaagagttc	tttgactcct	ggaagtacct	gtatctttag	ctaagtagcc	1200
ctaggatgta	cattaatatt	ataccatctg	aagcatatct	ttgtaaatta	aataaacaag	1260
agacagaaaa	attggcatat	gatgtggttt	taggttgacg	cttcagtgtc	tgaaggtaat	1320
tggctttttc	gctttgtttt	atatccagtt	tgatttgtga	aagaatcctt	aggccttgac	1380
taggactcct	ctgttactat	ttgggagcca	gttgggtgag	aaaagggaca	gtttcttttt	1440
gctcctttgg	cgagaaggaa	tatactaagc	aggtgggtga	agtaaaccct	agattgattg	1500
aatctgagga	gcttcttaca	gtagctcccc	ccggagtgtc	cttgacattt	tgggtatgcc	1560
actttttcat	tgttcagtac	tttcccat	actacaggac	atttataggt	ccttcaccca	1620
caaaatgcc	tttgagcctg	caaatcctcg	taacagccaa	aaaatgcaca	gcatattttc	1680
agatgcccct	tagactgcta	atactacctc	tggttgaaaa	ccactatcag	ggaaaatatt	1740
tctaattcct	gcctctgtaa	taccatattc	tgtacttttc	ttcctatttt	actctgccat	1800
gccctcatgt	tttcattgtt	atctcttttt	catctttcat	ctttactagg	caataagaat	1860
cttagggatc	acagattgac	tcttggctgg	gtgcggtagc	tcacacctat	aatcccagca	1920
cttgagaggg	caaggtgggc	ggatcacttg	agctcgggag	ttcgagacca	gcctgggcaa	1980
catggtgaaa	ctccatctcc	accaaaaata	gccaagcgtg	gtggcatgcc		2040
ccgaagtccc	agctacttgg	caggctgaag	tgggaggatc	acttgagccc	gggaggcaga	2100
ggctgcagtg	agctgagatc	atgccactgt	actgcagcct	gagtgcagag	gtgagaccct	2160
gtctcagtta	aaaaaaaaaa	aaaaaaaaag	attgactcct	cctcttttaa	ttttggagga	2220
atgtattttg	gaggtcatga	tgaaaattaa	gcatttagtc	tggcagtcac	ctgggatgag	2280
tagttaaacc	cctgcgttct	aggccagtga	gactcaaacg	taacttgaca	tagtttttat	2340
tctcagtcct	agagtaggtt	taataactaa	caaacaaaga	ttacaatttc	aaagcacata	2400
aaaaccaatg	ttttaaaatc	tctttagcca	ctaagaatta	attttcaaaa	tactgagtaa	2460
ttgtttcatt	gaaaagtgag	ctgtttaacg	gggcacagtg	gcacatgcct	gttagtccca	2520
gctccttggg	aggcagaggc	aggaagatca	cttgagcaca	ggagtttaaa	gctgtagtgt	2580

gccattttcc	tgccctgtaaa	tagccactgc	acttcagcct	ctgccacata	gcgaaacctg	2640
gtctctttaa	catatatata	tgtatatgtg	tgtgtgctg	tgtatatata	tatgtatata	2700
tatgttttaa	acttgtaaaa	caattatata	gtatatatga	atacctaaat	gtgtagaaag	2760
aaatatgtaa	aacatgcatg	taaatgatct	acactgcatt	cttgagggtg	gatacctctg	2820
tagagaaaa	ggaactggga	gagacatgta	ggcagcctca	attgtatctg	tagtttaatt	2880
ccttaaaaa	atcagacgca	ggccaggcac	aatggctcac	gcctgtaatc	ccagcacttt	2940
gggaggccga	ggtgggtgga	tcacgaggtc	aggagttcga	gaccagcctg	gccaacatgg	3000
caaaaccccg	tctctactaa	aaataaaaaa	ttagccgggc	gtgggtggcat	gcacctgtaa	3060
tcccagctac	tcaggaggct	gaagcaggag	aatcacttga	acctgggagg	cggagggttac	3120
agttagccga	gatagcacca	ctgcactgca	acctaggcga	cagagcgaga	ctctgtctcc	3180
aaaaaaaaaa	aaaaaaaaat	cagaagcaaa	agtggcagta	ttaagctttg	ataaagctga	3240
gtcgttagta	taatctcttc	tatatattgga	aatagggtat	ttctgtattc	tctttgtata	3300
tttggaatt	tgacagtctt	aaagctgttg	ttttaaggct	ttatctatta	cagattagtt	3360
gcaaattgaa	accaagtaaa	agcttatgat	gccaaacttc	taattaagaa	ggattttttc	3420
atttagcttc	tttgctgtat	ataattatct	tcttctttgt	gtctgtttta	tcagagccat	3480
ttctacttcc	tttgtgtgat	gactagattt	ttccccctct	ttgatattat	cttcaactca	3540
tatacataga	aaacacttga	aaacaaaact	gaaaagtctc	ttttagcaat	gttttttagtt	3600
tgagataaat	cagaagtaca	gtcataagca	ttacatccct	ttcctttggg	aatgtttaat	3660
cattctatga	atgtttcttt	tgtttttttt	ttttaaat	ttttctttta	tctcctggga	3720
ccaaatccca	aatgcatttt	tctgtatctc	accagcata	tgccaacat	ttgtcatctg	3780
tagagtcaca	aaatgggttag	aaaaccagtt	aacttggtct	atgagtgaac	tttatagctc	3840
tctgaatgac	ttcaaaaata	agattcctct	tattttgcaa	gattttctta	tcagagcagt	3900
actattgttt	tctgttttta	tgtgggattt	ggttttgatt	ataatttaaa	atacttaata	3960
agggagtcta	gtggtttgat	aaaagaaaa	tatgggccgg	gcgcagtggc	tcacgcctat	4020
aatcctagca	ctttggggagg	ctgaggcagg	cggattgcct	tagctcagga	gttcaagacc	4080
agcctgggca	acatggtgaa	atgcgctctc	tactaaaaat	acaaaaaaa	ttagccaggc	4140
gtggcagcgt	gcacctgtag	tcccagctgc	ttgggaggct	gaggtaggag	aaccacttga	4200
acctggggagg	cggcggttgc	agtgaaccga	gattgcacca	ctgcactcca	gcctaggcaa	4260
cagagcaaga	ctctgtcttt	aaaaaaaaag	aaagaaagtt	atgtttttat	tctgtaactg	4320
cttctaaata	ttcttcagta	cccattcaaa	cccgagaaac	tactgtcaca	gctgacagga	4380
gttattaacc	tctctaaatt	tcagggggaa	aatgtataaa	tatgtcatgt	atttgataaa	4440
tagttttccc	tttttttaat	gaaaagatta	tctgattgga	ttgacctgcc	tactaat	4500
tgctattaac	tttttcattc	ttaggcaata	agcaacaaag	accagcatag	catatcatat	4560
actttgtctc	gggcccagac	tgtggtgggt	gaatatactc	atgacagcaa	cacagatatg	4620
tttcagggtat	tacaacatct	taaaattttt	ttcttaagaa	acgaaaaagt	taaaaatcta	4680
ttgttgggtga	cttttgcctga	ggtcagagga	ttatcagatt	tttatattgt	attttattaa	4740
aatatagatt	gattgctaac	ccttataaat	agaagtcaat	ctagcatggg	tgagatgggc	4800
tccagaataa	gaattactgg	taaatattac	ataaccatta	tatgcctcag	tttctctctc	4860
tgtaaagtgc	agataataga	ctctccccta	tgactgttaa	gaggcttaaa	tgatctagta	4920
catgtagagt	actcagcact	gtgccaggca	cttagtaaaa	acacttagtg	aatagtagct	4980
attatccaaa	aaagaaaaca	gtaaatactc	tgcatacatt	tatgactttt	tctaccacta	5040
cctcccacct	tcctctctag	acaataaaca	atccaggcac	ttgctaacta	tttgtattat	5100
ctatgtgaaa	tcaaaccttt	ttctcagcat	gtattttggt	aatgctactc	atgcaataaa	5160
agtatttttc	tcttactttt	tgtaccaatc	cagtgtctgat	attttataaa	ctgatagatt	5220
ttaggacagt	cagttccaaa	gatgtaaaata	gaatccttga	tcttctccct	taatatgtag	5280
ctctctgaag	cttaggcttt	ttaaaaacaa	acttaagtac	aacataaatt	gcctgataat	5340
gttgctttta	taattattgt	cacattgact	tccatttttc	tttattttac	aaggcaaata	5400
aaagtgaaaa	gacctggaaa	tatatttta	ttcagtcatt	agtgaatat	ttctttgaag	5460
ccactccctc	tgcccaaccc	ttttaatgag	atgagatact	gaattttctt	tctctagtta	5520
atattagaat	gtgggcat	attatgtttt	cctcactttt	acaaaaata	aataagatct	5580
ttaaggaaga	ttaatgttta	gatccaagaa	aaaccgaaca	caaagcttta	ggatgatttt	5640
tcacattttg	tttctactgac	aagcagtga	aatgaatgag	cttagctttt	ttttaaatc	5700
aagatgctac	taggcctgta	gtctcagtta	cacagggggc	tgagggtggga	ggatagcttg	5760
aggccagcct	gggcaacata	gtgagacttc	gtctctttta	taaaatatag	ataaatatat	5820
atgtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	gtatctccaa	gatatttggt	5880
cacaggctag	aatttttagct	tcagaaagta	cgttatat	atgtgtttac	cgcttatctt	5940
ttgtagatga	ggttaactga	aatcttgtga	gttaagatg	atagagttac	ttggggggcaa	6000
aactgaaatt	aaaccaggca	tcctgaattc	tgaacaatg	tcttcaccat	ctaataagag	6060
cccttgaata	agtttttaaca	gtttgggttt	tgtctttttc	ataaagtaga	gaattttccc	6120
cagtatcata	aactgattat	gccctttcta	caggatttat	acctttggaa	aatccaaaca	6180
tttctgcac	aaaaagactg	tgatgtatca	gaaactacct	tgataaacta	gccagtcctt	6240

aggaattgt	actggaacaa	ttctaggatt	gtctaccctg	taaactgaac	aagaacattt	6300
attgttcaag	tcattcagata	ttccaactcc	aactctatgc	cttgtttgtc	actatgaagt	6360
acataaggga	gacattacaa	gctgattaca	tgcttaggtg	ctgtactgac	cctgtaaatc	6420
ttaagcacat	tgatttgtgt	gaagaaggat	ggagaaaaga	ctttacactg	gtgccttttc	6480
atgtagatct	ttttatcagg	taaagtagga	tttttgccag	caaccggtag	aaaagcattc	6540
tagcaaaaaga	gatggcaaag	aagcaaagaa	gtagtacaca	gtgtggtgaa	agattgacga	6600
ataagctgtt	gtagcttgta	tacacaaata	gcaggaaatt	cggctggatt	ggtagatggg	6660
aggcaaatct	tgagctcagtt	tctaactatt	atcagaaata	ataaactaca	aattttggat	6720
aagctataag	gaaccattga	gttttctcat	gagggtaaag	gagagtaaca	aaagacgtgt	6780
atttttaatg	ctaataatag	cagggggaaga	attattaaca	atcatatttt	ggactctgat	6840
cacattcatg	gtggtttttt	tctctttata	gatacttaag	tttcttcctt	ctcattgtca	6900
ttacaaatat	tgcttcagtg	tcttaaatat	tctcttccaa	gacccagttg	aaatgtcagc	6960
tctctggaac	agtctctttc	caaataagtg	ctacttctgt	tgattctgaa	tattagtcca	7020
atccttggcc	tatatctttt	agcttttaaa	gagccttttt	atltggggga	atattttttg	7080
tttcaaagat	ctgaggccat	ttaagggtatc	tttattttta	agaataaaga	aaaggaatat	7140
ccaatcttat	atltgtttaac	tagttttccct	ctaaaactat	ccaatctaaa	taaaaagact	7200
ttatacttga	cagttggaca	aaaacactaa	agaggtttat	ctgaaagtgt	gccgatatga	7260
ggaacttgag	gctaaaaatat	gtaaagaatg	acttttaaga	gtctttatct	ttgtataggg	7320
tcagtatttt	ttctcagtac	ccacattctt	caattttatg	gtactacttt	ataacaaata	7380
cattcatgaa	ctgataattt	ccaaatgttt	gcttttaaagc	cccgtgacac	ttgtcacttt	7440
tgtcatctcc	ccattgattt	ccttttttct	ttcaactttc	aaaatgaaat	taacttattt	7500
actagctagt	acctctgaag	atatttttaa	atctctgaca	cctcactcat	ccagaactct	7560
tatctgggaa	ccttgtctct	ctgaaatatc	cctaagaacc	aggaagagta	tatatataaa	7620
ataaatgcc	caaagtgtat	gtagtgaat	tccttttcta	ttctccctag	aggatccctt	7680
aggctctcac	cagaaccttt	tgaataactt	ttctctgaaa	taggttattt	gatttctcaa	7740
cccataacag	agtaagagta	gccagttaaa	agaggggctt	gttctgtgaa	acaagcatga	7800
ccaaaaacaa	ggagtgatag	ctgacaacct	gacagaaaag	aaacaagaaa	atatatgaag	7860
tatacataag	acctcaaagc	aaggctgtgt	aagcccttga	cataaggacc	agcagccttg	7920
tatactctt	gtagcacctg	aagacatcac	tgcatttcag	cttaacgtaa	gtggtattta	7980
tagtgtaatg	ttctgcagtc	atcctaaaag	atttacttat	atatgttcac	tatattctgt	8040
taaataagg	agaatatctc	tttaaataatc	tctaaagaga	aaaaacctac	atgatacaca	8100
tatttccatc	caaaagggtt	aaaattaaaa	tctgcagcca	tctagaaatc	tcagccgttc	8160
ctgaattctt	catttccctaa	gggtttcgt	tattatttga	agttctcatt	taattccatg	8220
ctctaagtga	ttacttctac	agagacagtc	tgactgatta	gttttcaaga	gtatagctgc	8280
cccagcggtt	aagtattggt	aacttcaact	ttagaaattt	cagagacctta	atgtttctctc	8340
cttattgtgc	ccttcttgaa	tggattttcc	actgtgctct	ttgaatgggt	ttataggtat	8400
tttttttttt	ccctcagatt	ggccgggtcg	ctgaaagccc	cattgatttt	gtagtaactg	8460
acacgggttc	tggaaagtcaa	agtaattctg	atacacagtc	agtacaaagc	actatatcaa	8520
gatttgccctg	cagaatcata	tgtgaacgga	atcctccctt	tacagcacgg	atlttatgctg	8580
caggatttga	ctcatcaaaa	aacatctttc	ttgggggtaaa	aagctttttt	tctaaatgat	8640
gctttctttt	atactagctt	tcattccaag	ttacaagtta	caagttggaa	gtcactgct	8700
attattttcta	ctaggagaag	gctgccaaat	ggaagacata	agatggacag	atggatggct	8760
tgaccactaa	tgggtgttctt	gtgatgcate	cacgcaatgg	gttcacagaa	gactccaagc	8820
ctggaatatg	gagagaaata	tcggtgtgtg	gaaatgtatt	tagcctacgt	gaaaccagat	8880
cggctcagca	gagaggaaaa	atggtaataa	ctgaatggta	ttttcttaat	tagctacaat	8940
aaacacatag	gatgagtaga	actgaatgca	ttacatacat	tccagaaaac	tcttaaactc	9000
attgccaaca	cagaatacta	agtctatcaa	acactgacta	ccaaattcta	tactagagga	9060
cagtctcttt	aatatttctg	ttagtagccg	ggcgcgggtg	ctcacacctg	taatcccagc	9120
acttttgga	gccgaggcag	atggatcacc	tgagatcagg	agttcgagac	cagcctgagc	9180
catagtggag	aacctgtctc	ctactaaaaa	tacaaaaata	gccaggcatg	gtggcgcatg	9240
cctgtaatcc	cagctactcg	ggaggctgag	gcaggagaaat	agcttgaacc	tggcaggcag	9300
aggttgcggt	gagccaagat	tgcgccattg	cactccagcc	tgggcaacaa	gagcatttta	9360
gtaaactctg	gaagttcatt	cttctgtcat	atcatgttaa	tatattttaa	aacctaaagt	9420
ttcttaaact	aaacagcact	ccctctgac	ttttctgttg	ccatctgtat	atcttaaacc	9480
atattttacct	cattaaaaat	attagactta	ttgattagcc	agatgtttta	atcataagtt	9540
gtctttacca	taaggctaaa	aagaaatatg	ttaatgtttg	atattttatc	cttgattttc	9600
aaacttaaca	tttttcataa	ctactgtcag	tttcttgaat	atlttagtgaa	aatcctagga	9660
aacctcattt	cttgagtaag	gagtacttaa	aacccaaaac	cttatgtaaa	aatccaaaac	9720
agagtggtga	atatgttttt					

gcacgacctc	agtgccectgt	aggggttcaac	acactagcat	ttcctagtat	gaagaggaaa	9960
gacgtttag	atgaaaaaca	accatgggta	tatctaaact	gcggccatgt	acatggctat	10020
cataactggg	gaaacaaaga	agaacgtgat	ggaaaagatc	gtgaatgtcc	tatgtgtagg	10080
tctgttggtc	cctatgttcc	tctgtggcct	ggatgtgaag	ctggatttta	tgtggacgcc	10140
ggccctccaa	cccattgcgtt	tagcccgtgt	gggcatgtgt	gttcagaaaa	gacaactgcc	10200
tattgggtccc	agatcccact	tcctcatggt	actcatactt	ttcatgcagc	ctgtcccttt	10260
tgtgcacatc	agttggctgg	tgaacaaggc	tacatcagac	ttatttttca	aggacctcta	10320
gactaacaga	ccattgtctt	gcaggactac	attataaatt	tataagctaa	gtgagttggg	10380
ttttcgaacc	tgttgtccac	gtcacagtgt	ttctgtctctg	gtcatttgca	ttaagatgaa	10440
gaattttttta	aaacattttat	aataaatagt	agcaattttct	gagcaaaaaat	ctgggaaact	10500
caagcaaagg	aattttctgaa	agtatcagtc	ttctgaattc	tgagttttga	aaatatattt	10560
tgaggagaaa	aagacatagt	ctaatttgat	gccttccttt	tagtgttttt	gaatcaccta	10620
tcctcagtg	tgaatttggt	ttgtataact	gaggggtactg	ttgggttcaaa	ctatgttagt	10680
ttacagtttg	ttgcaaacat	tgtaaaaatac	agcgacatgt	atattaactt	ttttctattt	10740
atcttttatta	tagaaaatac	cttagaatgt	tcttgataga	gtagcatggt	aacgatgggtg	10800
tcacaccctt	ggtgtgaatg	gtagcttagt	gagcaacctta	gctcaaggat	ttgcaaagtt	10860
aggaagaagg	acgagagagc	ctctctcccc	accccaatct	aaatatggaa	tttggtaaat	10920
tagaatactt	tgtaatgtgt	aagaccaaat	tcatactaatt	taccgcgctg	aaaggtgttt	10980
gtttttaaca	acattgaaga	taatcaggaa	agattttttc	ttaatgtttc	tctcgagcgt	11040
agtactataa	caaaaactta	atgctaagaa	acatttttata	tgctcctttg	gatatgcaat	11100
ttaatctaga	ttatctattt	ttctcccatg	ataactaatc	tgtttttagt	atcagcagca	11160
tttggaaggt	ttatttttttg	gatataaact	gtgggttcac	tgttcactgt	ttctagaaaa	11220
aaatcattgc	cataagaaaa	agtataaatt	agcaagaaaag	gagagtgact	tgatttgctt	11280
ttggaaaaag	aaatgcttaa	ttaattattc	tgtattttggc	cttattcggg	cattaggaaa	11340
tctagagatc	taaagggttg	aatgacaata	gtgccccgt	ttttagcaga	ccagccttaa	11400
ctctgggttt	gaatcctaag	gagattgcca	cagtgagact	taaggaaaatg	tttggttggc	11460
agatgagcac	caatgactgc	agcgtggagt	gacgcactgc	atgggtctgtt	tattctctaa	11520
ttccaatatg	tcttttgctt	ccagaagcaa	gaaaagtttc	ttctctcccc	tccttcccac	11580
ccttttttca	aaggcaccac	aagtatagac	agttgcacta	catcaaactct	ttttttgaca	11640
cctgtagaaa	ccagtacact	tttagattag	acagtatctt	cttttaatat	tttgatttgt	11700
tttccttttag	tttgaaaagt	tgtataatac	ttactgact	gtagcaaaagt	tttatatgtg	11760
gtagcatacc	tttaattttat	cctattacaa	aactgttctg	aattttcttt	tggttttttaa	11820
aaaacaaaaa	ttgttgctta	gaagccatga	attattttat	ttacttcaa	ctgtcgaaac	11880
ttccttggtt	taaaaaatga	tcatttgggt	tcactcagga	aatgcactgc	aggaaacttg	11940
tattataagt	ttattagttg	tgatgtatca	gtaactgctg	ttaccccttt	ttcaaagaaa	12000
tgtaattgat	tttgaagttt	tctagattgt	cacatgcttt	gtgactaatg	caagaaagca	12060
agtctgtgt	tgtattttgtt	ctagtcattt	ttattcaggc	tatatattgt	agcttaattt	12120
ttatttgcaa	ttaattttatt	taaactaagt	aaatactttt	caaaatacat	aattgaattc	12180
gtctctgtga	gttcattttt	gcataatcga	gaatgagaaa	ccagaagtga	aaactgtgaa	12240
caactctatt	ccacactcca	aaaatactca	tttgaaatag	atgaagagtt	tgcatttaat	12300
gtaacacttt	aaagtattctg	gttctttttt	aaaagcatct	cttactaata	aaggaaacttt	12360
gtagtggtt	gaataattga	ggccttttct	aagttaaagc	ttgctaggga	gttggcacct	12420
gtaagttgca	tggttagacta	tttaaatagt	ggcttcgtaa	ccataaaaagt	tgacgctoct	12480
tcccaaagtt	gcctgcattt	tcttctaaca	ggtaaaaaa	atctcttcta	acagggaaaa	12540
acctgggtca	ttttctatca	aattcaagtt	ttaaaaattc	aggcaattta	aatgatcagt	12600
tgggtgtttg	ctgttcaagc	agaactgtta	ttttgtcatg	gcctaataka	acacttttac	12660
ttagttgtat	taaggggaatg	tcagtattct	ggccaaggag	gagaaaaagt	tgtatttagg	12720
tctttctaat	gcattctcaa	gaaagataat	ctttatggct	taactctttt	atcaaagtaa	12780
tcttttatatt	taaatgctac	tttaattgtt	caaggaatta	aatttccctt	tatctaaaat	12840
gtaggggtaa	tgaagcaaga	catgaaggga	agccattcag	acatcagagt	tcttttacta	12900
ggttatcctc	ttgcaacctt	ctttgcttac	ttccctcatg	taaaagtctt	ctagtacatg	12960
taaagcaggg	taggaataaaa	taataatgta	agtatgtaat	tacttcttct	ttttttttt	13020
ttttgagacg	gagtctcact	ctgtcgccag	gctggagtgc	agtggcgtga	tctcggtcca	13080
ctgcaagctc	caccttccgg	gttcacgcca	ttctcctgcc	tcagcctccc	aagtagctgg	13140
gattacaagc	gcccgccacc	atgcccagct	agtttttgta	tttttagtag	agacaggggt	13200
tcaccatgtt	ggtcaggatg	ctctcgatct	cctgaccttg	tgatccaccc	actttggcct	13260
cccaaagtgc	taggattaat	tacttctaac	atttgagtgt	cccacttcac	tcttcccgtc	13320
tgacccagac	tgagggcact	ggtgaaagtc	cacttattat	gtctctaagg	ttataagctc	13380
aacataactc	taacactttg	gcccttcggt	gcaattggtc	atcttgtgct	accacttctt	13440
tttttgttta	agacaggggtc	ttgtctctgtt	gccgaggctg	gactgcagtg	gtgcaatcac	13500
agctcaccac	agcctcaacc	tcccaggctc	aagcaattct	tccacctcta	cctcctgagt	13560

agctgggact	acagatacac	accaccattc	ctggctaatt	tttttcattt	tcagtagaga	13620
cgccgtctga	ctagatttcc	caggctgggc	tcaaactcct	gctcttaagc	aatcctcctg	13680
cctcagcctc	ccaaagtgct	tggattacag	gtggtgagcc	accacaccct	gctgtgctac	13740
cacactttag	agaccactgg	ttaataaacc	tatgttccat	tcccttctct	gttttctcta	13800
agcactgccc	tatagcaaat	cagaacagca	aaactctgca	tcactgaact	ctgttattct	13860
gtctgtcacc	cccactttca	gaattactct	tatataagta	ttctttaatg	ttttatcctc	13920
aaattttatc	tacttttttt	tttttttttt	ttttttgaga	cggagtttca	ttctgtcgcc	13980
caggctggag	ggtagtgggt	tgatctcggc	tcactgcaac	ctctgcctcc	cggcttcaag	14040
caattctccc	tgccctcagc	ttcccagta	gctaggatta	cagggtgccg	ccaccacacc	14100
tggctaattt	ttgtattttt	agtagagacg	gggttttgcc	atgttggcta	ggctggctct	14160
gaactcctgg	acccaagtga	tccaccacc	tcggcctcct	aaagtgtctg	attacaagc	14220
gtgagcacca	cgcccggcct	ctgctttctt	aaaacagatt	tttgtatacc	cactgtgtgc	14280
caagccctgt	cctaaaccgg	gtgatatagc	aggaaaaaaa	aaatccctgc	cttcactgtg	14340
tttgtattct	agtgtacaag	atagaaataa	gcaagaaaaa	gtaaatatat	gtatatatac	14400
aatatgatag	tgaactgtgc	tgagggggca	aataaagtag	aaagaggaga	tgcagatgca	14460
aaatgtcata	tgctggggca	ggaggagaag	gttttgcaat	atcaaacagg	aaggctaggg	14520
aaagccccac	tgggaagggt	gtatttgaat	aaagctctaa	aagagctgaa	gagagaaggg	14580
agtggccact	tagaggggca	tttaggcaga	gagctctaca	aggcccttgc	aagggcctga	14640
aatagaagca	tgtctgggat	atttctacaa	tagcaaagag	gcgtgtgatg	ccaagtggta	14700
tgaatcaagg	aagagtagca	ggtaagggtc	aagaagtaaa	acgacagaat	ttaagtgaca	14760
gatggggatg	acaatagatt	atggagagcc	ccctgggatt	tatggcttta	attctgaatg	14820
agattggggc	attggagggt	tttgagcagg	tgagtgactt	gatgtgacat	atttaatagg	14880
atctgtaata	actgaagggt	ggatcaggga	gaacattgca	gtaatcctgg	agataaatca	14940
tggtttgat	aagggtgggt	cagctggagg	ggtttgaaaa	gtgatcatg	tctgaatgtg	15000
ttttaaaggc	agacctgaca	gcatttgcta	cgacatcagc	tacagggttt	gaaagaagag	15060
ggatcaagga	tgactccact	caatcagcct	cagcaactgg	aaggatggaa	ctgccatttg	15120
ttgaagtaga	gattatagga	agaactgttt	aggggatgag	gctcactggg	ggagggaatca	15180
ggaactccgt	cctgagtgtt	agactgaggc	acctgtcaga	cgacatttgc	caaaggaagg	15240
acaactccac	ttataactac	tatcaaagtt	ctcaaccatt	atgatcagtg	ttctctgtat	15300
accccacgct	agcttagaaa	caaacaaaaa	agtatccctc	ctgatgaatg	gtgaatttcc	15360
tttcattgaa	atagagagtt	gggacacgct	tcatggttct	ctctttgctt	tgggttccct	15420
ctaaggaaat	gaagttttgt	tttcaactat	aatcgcttca	tttagcgaaa	gtattctgat	15480
aaagtttttc	ttctctctcg	ccatatacac	ctttttcctt	ggctcttgcc	tttaaaaaaa	15540
aaaaacaaaa	aagagtcttc	agttttcctg	aatcttaata	ttttgctgct	tcaaatcctt	15600
tttggcagtg	gcagagcaca	agttgtgctt	tgctttttaa	gtttttgaaa	aaatatattga	15660
gtgcttatgg	aaaacagaat	tcttaaaccct	ataagttcag	attttaatgt	ccagtttccc	15720
tgaaggaaat	aggcctgtat	ttgataatta	tcaacaaaaa	aaagtaataa	gatcgagttt	15780
tccaggccgg	gcgcggtggc	tcacgcctgt	aatcccagca	ctttggggag	ccgaggcagg	15840
cggatcacga	ggtcaggaga	tcaagaccac	ggtgaaaccc	cgtctctacg	aaaaatacac	15900
aaagttagcc	gggcgtagtg	gcgggcgcct	gtagtcccag	ctacttggga	ggctgaggga	15960
ggagaatggc	gtcacacccg	gaggcggagc	ttgcagtgag	ccgagatcac	gccactgcac	16020
tccagactgg	gctgacagag	aagactccgt	ctcaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	16080
agatcgagtt	tt					16092

```
<210> 9408
<211> 265
<212> DNA
<213> Homo sapiens
```

<400> 9408						
gttttatgca	gcccatttct	acttcctttg	tgtgatgact	agatttttcc	cctcccttga	60
tattatcttc	aactcatata	catagaaaac	acttgaaaac	aaaactgaaa	agttcttttt	120
agcaatgttt	ttagtttgag	ataaatcaga	agtacagtca	taagcattac	atccctttcc	180
tttggtaatc	tttaatcatt	ctatgaatgt	ttcttttgtt	tttttttttt	aaattttttt	240
cttttatctc	ctgggaccaa	atccc				265

<210>	9409
<211>	1477
<212>	DNA

Figure 1 consists of 14 bar charts arranged in two columns. Each chart compares the percentage of respondents for a specific variable in the 1990 survey (light bars) and the 1994 survey (dark bars). The variables are as follows:

- Age:** 18-24, 25-34, 35-44, 45-54, 55-64, 65-74, 75-84, 85-94.
- Sex:** Male, Female.
- Education:** Less than high school, High school, Some college, College, Graduate school.
- Income:** Less than \$10,000, \$10,000-\$19,999, \$20,000-\$29,999, \$30,000-\$39,999, \$40,000-\$49,999, \$50,000-\$59,999, \$60,000-\$69,999, \$70,000-\$79,999, \$80,000-\$89,999, \$90,000-\$99,999, \$100,000 or more.
- Religion:** Protestant, Catholic, Jewish, Muslim, Other.
- Marital Status:** Single, Married, Divorced, Widowed.
- Political Party:** Republican, Democrat, Independent.
- Attitudes:**
  - Environment: Very important, Important, Not important.
  - Government: Very important, Important, Not important.
  - Industry: Very important, Important, Not important.

The y-axis for all charts represents the percentage of respondents, ranging from 0% to 100%.

tagtctgat	gaggtgtgac	aggggctagc	aagaaagaaa	gaaaaagagt	tccctaagta	60
agctcctact	gggtgtcctc	cactcacatg	gagacagggc	cctgcctttt	aggcacttac	120
tcttccagtg	tctattgcat	aatatgttca	ggaaggatcc	cagattcaaa	gatttataga	180
attagagtta	aaagggatag	atatcttggt	tgaccctgaa	aaaattaagg	aatatgcttg	240
agatattcaa	tggcagaggc	tggaatagat	tttcccaaat	ctcctgatgt	gaagttctgt	300
gtttgtcaaa	catgactgtg	taaaaagatt	aatttaaact	taatgacatg	ttgtattcat	360
agaagttcct	tgggttttctg	tggaaacctc	ctcttgc tag	cttaagcaga	aatgggggat	420
ttattggaag	gaagctgaga	tattgcacca	aactgcacaa	aattgaatga	agagctgact	480
aagcaaggct	gcactgagaa	ggaaccaggg	tggctctgggc	tgtggtagcg	gcagcagcag	540
cttgacatc	tcccagcgct	gatgctggct	cgactcagac	aggtctccac	tctctgctgt	600
ctgtctctgg	ctcagacagg	acactttgtg	tggctgtttc	cttcacaaag	gcctcagtgg	660
gagcaagcca	gcctcccaca	ggcctctgag	acagaccacc	ccattcctcc	ctctcctggt	720
aacctgcctt	tatttcctta	attgcactta	tcacctatga	gaagcctatg	tgtttgttcc	780
cctgtggaga	tgtaaaaaca	ctgatgccca	ggcctaactc	ccagagactc	tgattgaact	840
ggtctgggct	atggagccgg	gacatttgca	tttttcttac	aagctcta at	gtgcagccag	900
gattaagaat	catcgcttcc	tgcatcaaca	ggacaaatac	aaaatgtgca	gcaaaatata	960
tgtttaagtg	aatcaagaaag	acagatctag	aaacgattgt	taaggaataa	taatgcattt	1020
tgtccatcac	cacacataag	tgatgttgac	cagagccctc	ccagattgag	tgggtgccagg	1080
tgttcggggg	tgtctcggtt	aatccttact	atggccttgc	ggggtagggg	gcagtgtcct	1140
cattgtccaa	atgagtcact	gaggctgagg	gattcaggct	cagtgtatgc	ccacagttct	1200
ttggcaaacc	ccaccactgg	gccagccaac	tacacgggga	ttctgatcgg	gtcctgatgg	1260
gtgcccatga	tgggctgtgc	aaaagtgggtg	gtgagatttc	tccaccttca	cggaggtggt	1320
atccaggggg	ggtggagctt	agcagcgaga	atgggtgggg	tgagtgggct	cacagctgta	1380
atcccagctg	tttgggagtt	cgagcgagga	gaattgcatg	agctcagttg	ttcgaacca	1440
tgggagacct	tgtctctaca	aaaaaaaaaa	aaaaaaa			1477

<211> 1474

<213> Homo sapiens

aaactgcatt	ttaaaagtgt	ttatatcctg	gatacactaa	cagcattttg	tccaacttgt	60
ggagtggagg	gagtaggga	ggggaggata	gtgctaata	actgtgacag	gggctagcaa	120
gaaagaaaga	aaaagagttc	cctaagtaag	ctcctactgg	gtgtcctcca	ctcacatgga	180
gacagggccc	tgccttttag	gcacttactc	ttccagtgtc	tattgcataa	tatgttcagg	240
aaggatccca	gattcaaaga	tttatagaat	tagagttaaa	agggatagat	atcttgtttg	300
accctgaaaa	aattaaggaa	tatgcttgag	atatccaatg	gcagaggctg	gaatagattt	360
tcccaaattc	cctgatgtga	agttcttgtt	ttgtcaaaca	tgactgtgta	aaaagattaa	420
tttaaactta	atgacatggt	gtattactag	aagttctttg	ggttctgtgtg	gaaacctcct	480
cttgctagct	taagcagaaa	tgggggattt	attggaagga	agctgagata	ttgcaccaa	540
ctgcacaaaa	ttgaatgaag	agctgactaa	gcaaggctgc	actgagaagg	aaccaggggtg	600
gtctgggctg	tggtagcggc	agcagcagct	tgcagatctc	ccagcgctga	tgctggctcg	660
actcagacag	gtctccactc	tctgtgtgtc	gtctctggct	cagacaggac	actttgtgtg	720
gctgtttcct	tccacaaggc	ctcagtggga	gcaagccagc	ctcccacagg	cctctgagac	780
agaccacccc	attcctccct	ctcctgttaa	cctgccttta	tttccttaat	tgcacttatc	840
accatgcaga	agcctatgtg	tttgttcccc	tgtggagatg	taaaaacact	gatgccagg	900
cctaactccc	agagactctg	attgaactgg	tctgggctat	ggagccggga	catttgcatt	960
tttcttacaa	gctctaattg	gcagccagga	ttaagaatca	ttgccttctg	catcaacagg	1020
acaaatacaa	aatgtgcagc	aaaatatatg	tttaagtga	tcaagaagac	agatctagaa	1080
acgattgtta	aggaataata	atgcattttg	tccatcacca	cacataagtg	atgttgacca	1140
gagccctccc	agattgagtg	gtgccagggtg	ttcgggggtg	tctcggttaa	tccttactat	1200
ggccttgcg	ggtagggggc	agtgtcctca	ttgtccaaat	gagtcactga	ggctgagggga	1260
ttcaggctca	gtgtatggcc	acagttcttt	ggcaaaccct	accactgggc	cagccaacta	1320
cacggggatt	ctgctcgggt	cctgatgggt	gcccgatgatg	ggctgtgcaa	aagtgggtggt	1380
gagatttctc	cagcttcacg	gaggtgggtac	ggcagggagg	tggacttcag	cagcgagaat	1440
gggctgggtg	cagtggtc	cagctgtaat	ccca			1474

<210> 9411  
 <211> 5584  
 <212> DNA  
 <213> Homo sapiens

<400> 9411  
 atcgttatga ttggtttgcc agcccggggt aaaacctacg tgtccaagaa actaacacgc 60  
 tacctcaact ggattggagt cccacacaaa ggtaagtgtg gctcattccc taggaaagac 120  
 aattattagt tcctgggcct cacaggtctc tgggagactt attcttcctg gcatcaatgc 180  
 tatagggtgc ttttggcaga aatagcagtt gctttctggt ttactggagt tattctctat 240  
 tcccagactt gtctcctcct ggcgtgggtg gattggccta gttttgaggg aatgcctttg 300  
 ataggactgt taagatttag atgagcatag ggctgtacct tttcagaagc cttacatgga 360  
 catcatctta tataacccta gcagtgtctc tgtgaaatag acagagtggc tgaggaaatt 420  
 gaaacctcag acagcttaag acttgtccaa ggtctagaaa gtcagggtt gaaccaact 480  
 cttttgactc ttaatctgat attgttccca acctaccatg ctgccgttt tttcatcccc 540  
 ttggtcactc cgacattagg ccaagaaaca agtcccattt ggtggggcca tcatattatt 600  
 ttgctgctga aggatttggg tgtcttctac agtgtttaat cttgggggtg atcggcgtga 660  
 agcagtcaag tcctataagt cctacgactt ctttcggcat gacaatgagg aggccatgaa 720  
 gatccgcaag tgagtcttgt ttaaggcctg atctccaggt cagctcttctc ttggcgtca 780  
 tgagacttgg tgtgacaggg cttggtttca tctcagtaaa tatcttaagg ggaagttaa 840  
 tggaagttaa ctgatgggca agtgacctg ggcttgggtg gtcagaagaa cagggtcag 900  
 ggtgattgat acctgtgtgc ttgtaggaga agtctaaaga gggctaagat ctgtgcattg 960  
 gggcaggggg aggaaggggt tataggatgg tgtgaaaacc ctgagtgaaga aagttgaaag 1020  
 atctagttag agaaaggttt tgaacagtgg gaaactaagt gggcagggtat gtgacttctg 1080  
 tagccaccgg aatgttttgt tctctgactg tttgagctta gctctccttg ctggtttcat 1140  
 ttgctcttat ggcagacagt gtgctctggt ggcgtgggaa gatgttaagg cgtatctcac 1200  
 tgaggagaat ggtcagattg cggtaagctt tatctgctgc tcttcttctc tgggtcccccac 1260  
 ccttgacgca gcctggctac ccagccccac cttgagtctg ccctgggtggg gttctgtttc 1320  
 tctgttctctg ctcatctacc ttgtgtactt tcttcacagg tgtttgatgc caccaatata 1380  
 acccgggaga ggaggacat gattttgaac tttgctgaac agaattcctt caaggtagga 1440  
 tctgactcca tgttggagga aaagggatga gtagagggtg ggagtcaggc tacaggcatg 1500  
 gatctctcac tctagtgggt gaggacagga tgggatattc gaattctctc tctcagagca 1560  
 tccccctag aactgagtggt tttcattcag gtccttctc agactgttag cctgtatggt 1620  
 tgaggccccag gggctgtggt aagagctatg aggaggactt gagggccact ttcatagaaga 1680  
 aaatcctggg agatgtgggt gctgggtggg gtagatgagc atgtgctctt aattaacagc 1740  
 ctggcatttt tgacttgctt atcactgcct tctctccatg gccagggtatt ctttgtggaa 1800  
 tccgtctgtg atgatcctga tgtcattgct gccaatattc tgggtgggtga caccctaca 1860  
 tatcatctcc tcttcacctt ttgtgctgtg tgtgtttgtg ggtgtgtgtg tgtgtgtgtg 1920  
 tgtgtgtgtt gttgggaaaag ggtcctctt tcctaattga aaagaagaat agacatgttt 1980  
 aacatcacia agagatcttt tctatctgcc agagccccat ctgggtactt tacactcttc 2040  
 tcttgggaga ggaaactgag gctttaagga tctgaagtaag aattagctgt tgaattgaaa 2100  
 ccagggttta ggttgtagga ttcttggccc ttgctctac gtattatctg gatgttgaga 2160  
 cctagatggt ggaatagatc agccgggcac ggtggctcat gcttgtaggc tcagcacttt 2220  
 gggaggccga ggcaagtgga ttgcttgaac ccagaaggat caccttagcc tgggaggttg 2280  
 aggccacagt gagccgtgat tgtgccactg cagtccagtc ttgggtgacag agtgagaaca 2340  
 tgtccaggga ggttgaggct gcagtgagcc atgattgtgc cactgcagtc cagtcttggt 2400  
 aacagagtga gaacatgtct caaaaaagaa aaaaaaaaaa gaatagatca gactcttcgt 2460  
 ttcaggactt acctacagga aggttatctc cccagcaatt gtccaaagt tctcgtcagtg 2520  
 ttctatacat tgagctcctt attcctgtg gggtcacaa gtaagccagt cccatttga 2580  
 tgggttggtg tctgctggac cgagttagata tctgaacatg gtcttatgca ggtgctctcc 2640  
 cagccgttag aacttgggat catctgagga agagccatct ggtcccaagt caggcactgg 2700  
 ggtcatgcac cctattctga gtggtaatat ggaacattg gagcctgttc tgttttctca 2760  
 ggaaagtaca taaagggatt ggggcccagg agcagctttg gctgcgtgac tgcctctgtc 2820  
 cttcagccaa gtgcaggcac atgactcccc agttgtctta acttttttgg ttgccagggt 2880  
 cacaggacgg ggcggggcgg ggcggggggg actcaatgag tggagtgcca atgttccagt 2940  
 gaaagggcag atttatggac ttctttttct ttttttttagc agtggctatt ttagaggagga 3000  
 ctgttacggg cagacctctg atgaggcctt tactggttcc tatgatttca ggagggttaag 3060  
 gtatcaagcc ctgactatcc tgaaaggaac agagagaacg tgatggagga cttcctgaag 3120  
 agaattgaat gctacaaagt tacctaccga cctcttgacc cagacaacta tgacaagtaa 3180



cggttaaggc	catggtttga	agggcccaag	gcaaaggtct	catctgggaa	aataaccttt	3240
ctccctgagt	tctctaactt	ccttctgata	atctagatct	acagtgttaa	catcatccca	3300
gagaaataag	gtatggattt	gtggctttta	tgtggattgc	atcttgtaca	tgaaaaattg	3360
aagtggttgg	ttttgttttg	ttttgagaca	gggtctcact	ctgtcaccca	ggctggagtg	3420
cagtggcaaa	atcagggccc	actgcaactg	ctgcccccg	ggctcaggtg	atcctccac	3480
ctcagcctcc	tgagtagctg	ggaccacagg	tgtgcgccac	catgcccggc	tatttttttt	3540
tttttttagt	aaagatagag	tttccccatg	ttggccaggc	tggctctgaa	ctcctgagct	3600
caagtaatcc	acccgcctcg	gcctcccaaa	gtgctgggat	tacaggatat	agtcactgcg	3660
cctggctgga	agtgtttttt	atcatcaatt	ttttctctcc	agtccttaga	gcatgatttt	3720
ctcaatctca	gtattatttg	cactttgaac	gggtaattc	tttgtgtag	gacctgtcct	3780
gtgcattgta	ggatgttcag	cagcttccct	gggctttgcc	cactagatgc	cagtaacacc	3840
tccaacctgt	gacaaccaa	atgtctccag	acatgtcaga	ggttccccgg	ggggcacagt	3900
tatccctggt	tgagaatcac	tgtccatat	ctgaatgggg	gtgttgtagg	ataccctttg	3960
gagatgtgtc	atcagttttt	aaagtttata	tatattatat	gatattttac	atatattaat	4020
gcttgtgtgt	atatcatgca	tattatagca	taacatatat	attacatatt	gcatattttt	4080
atatctatct	ctctctatat	ataacatgca	aagccctcaa	gaacatgcct	gactcagaga	4140
aatgtctgat	caatgccagc	tgttggttact	atggaagcat	ttgttggcag	tatggtgtag	4200
actatagatt	aacttgtcat	gtgtgaggta	tatgagccat	aacaaaacca	agtctatggt	4260
gaagaaagat	ggtgtacaca	tggaaatctg	caagaatgtg	gcctcatgaa	agagcatgca	4320
ttcagggcag	ttaacagctc	tattcacata	atacagacct	gcagccaagc	aaatggcaca	4380
tttaatgtgc	atggcacact	taatacagtg	gtctgtttaa	tgttttgagc	ctttcagttc	4440
cttcaagtgg	gtttcccgag	atccccctta	ttcagaggct	gaaaaccacc	tctagatatg	4500
gcataaaagt	attctttcagt	tggaaacaa	tcccacctag	aaaaacatac	agaagatcta	4560
catatatata	catgtgtatg	tttgtatatg	ttatctctgg	tagtaggggtg	atgctgtatt	4620
tgcatccttc	catcattttt	tctgattttt	tgatttaaaa	taagcactta	tgactttttt	4680
tttgagatgg	agtctctcgc	tcttggtgcc	caggctggag	tgcagtggca	cgatctcggc	4740
tactgcaac	ctcccccttc	ctgggttcaa	gcaattctcc	tgctcagcc	tcctgagtag	4800
ctgggattac	aggcaccgcg	caccacgccc	ggctaatttt	tttattttta	gtagagatgg	4860
ggattcacca	tgtttggccag	gctgtttctc	aactcctgat	ctcctgatct	accaccttg	4920
gcctcccaaa	gtgtcaggat	tacaggcatg	agctaccgca	tccagccaca	cttatgactt	4980
ttataaagag	acaacattca	tgttggcctc	aaagcaagca	atgtctgaaa	gtgtctttga	5040
gagaagcatg	attaggtaga	tgcaggggagt	atatagacat	ttctgtctgt	gcttctgctg	5100
cctcttccct	tccctctggt	gctcgtcgtg	ccatattctg	gccagggtctt	aactgcctca	5160
aaaggggcct	attctttctca	ccaaattttg	ggcttagcaa	aatcttcagg	tcacctagtc	5220
tagcccctga	tgggaaggct	gaattctggt	tatcctatct	atctacatta	cttgtcacac	5280
tacaggcact	gaggaaatgg	tacaaactta	ctagaagttc	aggaaattgt	acttcactct	5340
ggttttaagg	agtaattaat	ctcctaccat	ttggttccat	aaacgtgggt	gtgacagagg	5400
aggggaggaa	gagcagctgt	gagcctgcaa	gtccctgtag	aaatcctttt	ccctctgatt	5460
cttattctca	gatcttctta	cctagggaat	tttttttttc	ctttcctgtc	ccagggatct	5520
tttttcatc	aaggtgataa	acgtgggcc	gcgattttta	gtcaacagag	tccaggacta	5580
catc						5584

```
<210> 9412
<211> 4151
<212> DNA
<213> Homo sapiens
```

<400>	9412						
gggcagctctg	gcatgatctt	tttggaggta	agttgtgcct	cactgaaaac	taatccccag		60
cccacctttt	cctgctttct	agccctgtct	atcctgaagc	gagctcgccg	ggagcgccca		120
ggccgtgtag	cctttgatgg	gacacccgtc	ttctacttcc	cccgtgcca	gggcttcacc		180
agtgtgcccc	gccgtggtag	ctgtactctg	ggtatggccc	ttcgccacag	tgcttgcctg		240
cgcttctctt	tggctgagtt	tgcgcaggag	caagcccggt	cacggcacga	gaagctccgc		300
cagcgcttga	aagaggagaa	gttgagatg	ctgcagtgga	aggtagagag	agtcctctcc		360
gtggcgcacc	tcctgaggca	gctcctggag	tcctaacctt	gaggggtggg	cgtaccaggg		420
gtgggtgctg	acttgctcat	tatggttatg	gggaaacagc	ctgtgggcct	ggtgattggc		480
ttgattggag	cctgttgcc	gggttgtctg	caacaggagg	cgcagaggag	ggctcgtgtc		540
tatttgcctg	aggggctggg	ggcatgatac	ctgaatctga	acttttttga	gaggggggat		600
tgaagttgat	atgaacttga	gggggtgcgt	atctgtctgg	ttaggaaagg	gagctgtctc		660
atgatctaga	gaatgccatg	agtaggatat	ctcttttttt	ttttttcaaa	tgccctgaag		720



gcagttttct	tggtgtgtct	gttcaactgtc	tgacacacag	tgcccatcgc	agattaagca	780
cgagtagtgg	cggtgtgtct	acttggggag	ggtttgtcta	gtgacagtag	ggctaagccc	840
atgtccatgt	ctgtgtctct	cacatccctc	tttcctgtgg	atgcagcttt	cggcagctgg	900
ggtaccccag	gcagaggcag	ggctgccacc	tgtggtggat	gccattgatg	acgcctctgt	960
ggaggaggac	ttggcagtcg	ctgtggcagg	tggccggttg	gaagaagtga	gcttcctaca	1020
gccctaccca	gcccggcgac	gtcgagctct	gctgagggtc	tcaggtgtgc	gaaggatcga	1080
tcgggaggag	aagcggggagc	tgcaggcact	gcgccaatcc	cgggaggatt	gtggctgtca	1140
ctgcgatagg	atctgcgacc	ctgagacctg	cagctgcagc	ctggcaggca	tcaagtgcc	1200
ggtgtggtgg	ctggactggg	atggggatcc	tgagcgtggg	gacttctttg	cactccacag	1260
aaccctcact	tgtacctcta	cttttctctg	cagatggacc	acacagcatt	cccctgtggc	1320
tgctgcaggg	agggctgtga	gaaccccatg	ggcctgtgtg	aatttaataca	ggcaagagtt	1380
cagaccatt	tcattccacac	actcaccgcg	ctgcagttgg	aacaggaggc	tgagagcttt	1440
aggagagctg	aggccctctg	ccaggggcagc	ccaccagacc	ctggtgagga	ggccctggtc	1500
cctactttcc	cactggccaa	gcccccatg	aacaatgagc	tgggagacaa	cagctgcagc	1560
agcgacatga	ctgattcttc	cacagcatct	tcacagcat	cgggcactag	tgaggctcct	1620
gactgcccc	cccaccagag	cctgcctggc	cctggcttcc	agcctggcgt	tgatgatgac	1680
agcctggcac	gcattcttgag	tttcagtgac	tctgacttcg	gtggggagga	ggaggaagag	1740
gaggaaggga	gtgtggggaa	cctggacaac	ctcagctgct	tccatccagc	tgacatcttt	1800
ggtactagt	accctggtgg	cctggccagc	tggaccaca	gctattctgg	ctgtagcttc	1860
acatcaggca	tcttgatga	gaatgccaac	ctggatgcca	gctgcttctc	aaatggtggc	1920
cttgaagggt	caagggaagg	cagccttctc	ggcacctcag	tgccaccag	catggacgct	1980
ggcggagta	gctcagtgga	tctcagcttg	tcttcttctg	actcctttga	gttactccag	2040
gctctgccag	attatagtct	ggggcctcac	tacacatcac	agaagggtgc	tgacagcctg	2100
gacaacatgc	aggcacctca	cttccccctg	cctggcctgt	ctccacctgg	ggatgccagc	2160
agttgtctcc	tggagtccct	catgggcttc	tccgagccag	ccgccgaagc	cctagatccc	2220
tttattgaca	gccagtttga	ggacactgtc	ccagcatctc	taatggagcc	tgtgccggtg	2280
tgaggaccag	gatgtctttt	cccagcccca	agagacctgt	tgtgtctttc	ttgtaattat	2340
ggggctcccc	agagtctgcg	taacagtctc	ccactggctg	gctcaccac	aggtgccatg	2400
tgcacactcc	tggttttcaa	acaattctct	ggatttattt	atgtgtttta	acttttctgt	2460
gctgaagaga	ggactagggg	gagggggcct	cccctttcag	ctgcccggcc	ccccacaccc	2520
acagcttgct	cttctatctc	cacaacgtga	gcctggaaga	ggagaaaatg	tggtcctctc	2580
ggagcttggc	agaccacttt	tgggtctttg	cgtgatgttc	cttagcccaa	agacggtgag	2640
acagggctga	aatcaggtgg	cttctgccac	cctgagccct	agaccatgg	gtggctaaat	2700
ccactggact	gtgaagacta	taatttattt	ccataattta	tttgagatt	gaggaggcct	2760
tggttgcact	tctttggctg	gtgggtaatg	ccaggggtgg	gggtgggcaca	ggcctcaaga	2820
gccccctttg	ccttgtagtc	ctacaccttg	ccctgcctgg	gctttgggtg	agactaggtg	2880
tggatttgag	ctctgtgatc	tatgtctgct	gcctggctcc	tagatggctc	tgccgggcagg	2940
tgttgcccaa	ggacatcatc	taggcagggg	gagagcctgg	gctgaacagc	tgtgaccaa	3000
actcccttct	gccccaccct	gccccctcca	cttctgccc	tctgttccat	cttccccctt	3060
cccaaaggcc	acagccttta	ttccaggccc	agggatgtag	gagggggaag	gaggaaacag	3120
gaagcccaga	gagggcaaa	ggcctacctc	ggggcgcgaa	ccatgcccc	gactattatc	3180
tcagggcttt	ctgggcaactg	cacttcagcg	tggcccacct	gccccatgcc	tgaggccagt	3240
tggcgagggg	tggctcctga	gggtttttat	accctttggt	tgctaattgt	taattttgca	3300
tcataatttc	tacattgtcc	ctgagtgtca	gaactataat	ttattccatt	tctctctgtg	3360
tctgtgccaa	gaaacgcagg	ctctgggcct	gccccctgcc	caggaggcct	tgcagcctgt	3420
gtgcttgtgg	gaacaccttg	tacctgagct	tacaggtacc	aataaagagg	ctttattttt	3480
agcaatgtgg	tatgtatttg	tgggttggga	agcaggggca	aaggggatgg	gggacaagcc	3540
ctgcagaggg	gagtatggac	acaggctgtg	ttgaggggta	ggagtaggca	caccagcat	3600
attgggcctc	tttccaggca	agccagtcaa	gttgagggca	ggaagccagc	tgagaggctg	3660
gccaggcaga	tagagcagtt	tttcccttgg	agtaacctgt	tctctacag	tggtgacctg	3720
gggtgggtgg	gaggagcagc	accagggtct	tctgacatgg	ggctatctgc	tggggatggg	3780
taagggcacc	cttcttcccta	cacaccaca	ctgagctgag	gccttgtcct	gaggggtgaat	3840
tcaccaacct	gggtggaggc	agggtaaggg	catgtgcctg	gtcaaggcct	ggtgatggcc	3900
ttacgtagca	gctgtggtcc	ctggggactt	gagcaggggg	gcagcggaaa	gggcaggggg	3960
aagctgcaga	acctcatccc	tctgcaccag	ccagacctgt	ctgacctgtc	cctggcagct	4020
cagctgggca	gcaggccaga	ggagtagggc	acaccctgct	ctggggagcc	ccagctctggg	4080
ggcctgagaa	aggttgactt	cccccttagg	aatgatagtg	atgtgtacaa	gagctggaag	4140
gaggaaccgc	c					4151

<211> 691  
<212> DNA  
<213> Homo sapiens

<400> 9413  
tactccctct gtgcctgggt gtccctcaata ctacatgcaa acagtaaacac tactcacctc 60  
ataaacttgt ttatttcata ttacaaaagc ccttaaagag tgcctggaac atgcaagtcc 120  
tgtgtatgtt tgcaacttgc atcgattttc atgtttctgc cattctttct ctgaatgttt 180  
aatccttttt ttgcctgtcc tgtcaccctt caggtatctg tctcttgccct ctggacatgc 240  
atgggtcatga ccacatggcc atatcagtgc cattagagga ctcatagttt ggagtctggc 300  
ctatgggtgcg gcagtatgtc cctgtaacca gcttaactag gaataggctt ctcagggttag 360  
agtaccctgg tacattgagt tgtcctgtct cttcttctact ggtgcctaga cacccttctg 420  
tagcgattac ttcagcaagc acaatccaaa acctgggttc ttcaagggtt cccagggtca 480  
ctctgattgg cctgggtggc tgggtggcag ccctcagctc cagtactctg gcaggaagtc 540  
ccaacaggct tccaccacat ggactcagcc catggctgga ctgaggcctg cctactccca 600  
tctagggccca cagggttctt agtttttgtt tctctgtttt tagataaatg aagacaatct 660  
aggttttaca gcaaaaacat gattaatgta c 691

<210> 9414  
<211> 4151  
<212> DNA  
<213> Homo sapiens

<400> 9414  
gggcagtctg gcatgatctt tttggaggta agttgtgcct cactgaaaac taatccccag 60  
cccatctttg cctgctttct agccctgtct atcctgaagc gagctcgccg ggagcgccca 120  
ggcgtgtag cctttgatgg gatcaccgtc ttctacttcc cccgctgccca gggcttcacc 180  
agtgtgcca gccgtggtgg ctgtactctg ggtatggccc ttcgccacag tgcttgccgt 240  
cgcttctctt tggttgagtt tgcgcaggag caagcccgtg cacggcacga gaagctccgc 300  
cagcgcttga aagaggagaa gttggagatg ctgcagtgga aggtagagag agtcctctcc 360  
gtggcgccac tcttgaggca gctcctggag tcctaaccct gaggggtggg cgtaccaggg 420  
gtgggtgctg acttgctcat tatggttatg gggaacagc ctgtgggcct ggtgattggc 480  
ttgattggag cctggttgcct gggttgtctg caacaggagg cgagaggag ggctcgtgtc 540  
tatttgctgc aggggctggg ggcattgatac ctgaatctga actttttgga gagggggatg 600  
tgaagttgat atgaactgga gggggtgctg atctgtctgg ttaggaaagg gagtctgtcc 660  
atgatctagg gaatgccatg agtaggatat ctctttttt ttttttcaa tgccctgagg 720  
gcagttttct tggctgtcct gttcactgtc tgacacacag tgcccatcgc agattaagca 780  
cgagtagtgg cggggtaagc acttgggggag ggtttgtcta gtgacagtag ggctaagccc 840  
atgtccatgt ctgtgcttct cacatccctc tttcctgtgg atgcagcttt cggcagctgg 900  
ggtaccaccag gcagaggcag ggctgcccag tgtggtggat gccattgatg acgctctgt 960  
ggaggaggag ttggcagctg ctgtggcagg tggcgggttg gaagaagtga gcttccaca 1020  
gccctacca gcccggcgac gtcgagctct gctgagggtc tcaggtgtgc gaaggatcga 1080  
tcgggaggag aagcgggagc tgcaggcact gcgccaatcc cgggaggatt gtggctgtca 1140  
ctgcgatagg atctgcgacc ctgagacctg cagctgcagc ctggcaggca tcaagtcca 1200  
ggtgtggtgg ctggactggg atggggatcc tgagcgtggg gacttctttg cactccacag 1260  
aaccctcact tgtacctcta cttttctctg cagatggacc acacagcatt cccctgtggc 1320  
tgctgcaggg agggctgtga gaaccccatg ggccgtgtgg aatttaataca ggcaagagtt 1380  
cagaccatt tcatccacac actcaccgc ctgcagtgg aacaggaggc tgagagcttt 1440  
aggagctgg agggccctgc ccagggcagc ccaccagcc ctggtgagga ggccctggtc 1500  
cctactttcc cactggccaa gcccccatg aacaatgagc tgggagacaa cagctgcagc 1560  
agcgacatga ctgattcttc cacagcatct tcatcagcat cgggcactag tgaggctcct 1620  
gactgccccca cccaccaggg cctgcctggc cctggcttcc agcctggcgt tgatgatgac 1680  
agcctggcac gcatcttgag tttcagtgc tctgacttcg gtggggagga ggaggaagag 1740  
gaggaaggga gtgtggggaa cctggacaac ctgagctgct tccatccagc tgacatcttt 1800  
ggtactagt accctggtgg cctggccagc tggaccaca gctattctgg ctgtagcttc 1860  
acatcaggca tcttgatga gaatgccaac ctggatgcca gctgcttctt aaatggtggc 1920  
cttgcaaggt caagggaagg cagccttctt ggcacctcag tgccaccag catggacgct 1980  
ggtcaggagta gctcagtga tctcagctg tcttcttgtg actcctttga gttactccag 2040  
gcctgcagc attatagctt ggggcctcac tacacatcac agaaggtgtc tgacagcctg 2100  
gacaacatcg aggcacctca cttccccctg cctggcctgt ctccacctgg ggatgccagc 2160

```

agttgcttcc tggagtcctt catgggcttc tccgagccag ccgccgaagc cctagatccc 2220
tttattgaca gccagtttga ggacactgtc ccagcatctc taatggagcc tgtgccggtg 2280
tgaggaccag gatgtctttt cccagcccca agagacctgt tgctgctttc ttgtaattat 2340
ggggctcccc agagtctgcg taacagtctc ccaactggctg gctcaccac aggtgccatg 2400
tgcacactcc tggttttcaa acaattctct ggatttattt atttgtttta acttttctgt 2460
gctgaagaga ggactagggg gagggggctt cccctttcag ctgcccgcc cccacaccc 2520
acagcttgct cttctatctc cacaacgtga gcctggaaga ggagaaaatg tggctcctct 2580
ggagcttggc agaccacttt tcggtctttg cgtgatgttc cttagcccaa agacggtgag 2640
acagggctga aatcaggtgg cttctgccac cctgagccct agaccatgg gtggctaaat 2700
ccactggact gtgaagacta taatttattt ccataattta tttggagatt gaggaggctt 2760
tggttgcact tctttggctg gtgggtaaat ccaggggtgg ggtgggcaca ggcctcaaga 2820
gccccctttg ccttgtagtc ctacaccttg ccctgcctgg gctttggtgc agactagggtg 2880
tggatttgag ctctgtgata tatgtctgct gcctggctcc tagatggctc tgcgggcagg 2940
tgctggccaa ggacatcatc taggcagggg gagagcctgg gctgaacagc tgtgaccaa 3000
actcccttct gccccacctt gccccctcca ctctctgcc tctgttccat cttccccctt 3060
cccaaaggcc acagccttta ttccaggccc agggatgtag gagggggaag gaggaacag 3120
gaagcccaga gaggcaaaag ggctacctc ggggcgcgaa ccatgcccc gactattatc 3180
tcagggcttt ctgggcaactg cacttcagcg tggccacct gcccatgcc tgaggccagt 3240
tggcgagggg tggctcctga gggtttttat accctttgtt tgctaattgt taattttgca 3300
tcataatttc tacattgtcc ctgagtgtca gaactataat ttattccatt tctctctgtg 3360
tctgtgccaa gaaacgcagg ctctgggcct gccccttgcc caggaggcct tgcagcctgt 3420
gtgcttgtgg gaacaccttg tacctgagct tacaggtacc aataaagagg ctttattttt 3480
agcaatgtgg tatgtatttg tggggtggga agcaggggca aaggggatgg gggacaagcc 3540
ctgcagaggg gagtatggac acaggctgtg ttgaggggta ggagtaggca caccagcat 3600
attgggcctc ttccaggga agccagtcaa gttggaggca ggaagccagc tgagaggctg 3660
gccaggcaga tagagcagtt tttcctttgg agtaacctgt tcctctacag tggtgacctg 3720
gggtgggtgg gaggagcagc accagggctt tctgacatgg ggctatctgc tggggatggg 3780
taagggcacc cttcttccta cacaccaca ctgagctgag gccttgctct gaggggtgaat 3840
tcaccaacct ggggtggaggc agggtaaggg catgtgcctg gtcaaggcct ggtgatggcc 3900
ttacgtagca gctgtggtcc ctggggactt gagcaggggg gcagcggaaa gggcaggggg 3960
aagctgcaga acctcatccc tctgcaccag ccagacctgt ctgacctgtc cctggcagct 4020
cagctgggca gcaggccaga ggagtaggcc acaccctgct ctggggagcc ccagtctggg 4080
ggcctgagaa aggttgactt ccccttagg aatgatagtg atttgtacaa gagctggaag 4140
gaggaaccgc c
4151

```

<210> 9415  
 <211> 691  
 <212> DNA  
 <213> Homo sapiens

```

<400> 9415
tactccctct gtgcctgggt gtcctcaata ctacatgcaa acagtaacac tactcacctc 60
ataaacttgt ttatttcata tttaaaagc ccttaaagag tgccctggaac atgcaagtcc 120
tgtgtatgtt tgcaacttgc atcgattttc atgtttctgc cattctttct ctgaatgttt 180
aatccctttt ttgcctgtcc tgtcaccctt caggtatctg tctcttgcc ctggacatgc 240
atggtcatga ccacatggcc atatcagtgc cattagagga ctcatagttt ggagtctggc 300
ctatggtgcg gcagtatgtc cctgtaacca gcttaactag gaataggctt ctcagggttag 360
agtaccctgg tacattgagt tgcctgtct cttcttcaact ggtgcctaga cacccttctg 420
tagcgattac ttcagcaagc acaatccaaa acctgggttc ttcaagggtt cccagggtca 480
ctctgattgg cctggtggtc tgggtggcag cctcagctc cagtactctg gcagggaagtc 540
ccaacaggct tccaccacat ggactcagcc catggctgga ctgaggcctg cctactcca 600
tctagggcca cagggttctt agttttgtt tctctgttt tagataaatg aagacaatct 660
aggttttaca gcaaaaacat gattaatgta c
691

```

<210> 9416  
 <211> 6135  
 <212> DNA  
 <213> Homo sapiens

<400> 9416

cagttgaaaa	acccttagtc	actttgacac	atctgctctt	tacactggta	ttttcttggt	60
ttaagtgcag	acatactgaa	atgactgggt	caaatcaaca	aatcagatat	tgcaaaacca	120
gtatttttcc	aaaaattgac	tgtatatata	aagtcagcca	gtgctgactt	cgtattttta	180
gatagtaagt	gcagaaatat	aacttcctct	tctttctgtc	tctagttttt	actgttgacc	240
tatccctatg	ctcctcaact	ggacgctagt	ctctttagg	aaataaatct	ctttaagaaa	300
gatgaaagag	gttggtatgt	atgccaggca	cttgctagcc	ttatactccc	tacgtcccta	360
attttgacct	tcatataacc	acagatttac	acagttaaaa	gctgggaata	aggcagcata	420
gcagtccttt	tttttttttt	tttttttttt	ttttgtggca	gggtcttacc	ctattgcccc	480
tgctggagtg	cagtagcatg	atcatagctc	actgtaacct	caacctcccc	ggcttaagtg	540
atcctttctac	atcagcctct	tttttaaaaa	aattatttat	ttatttttga	gacaaagttt	600
tgctcttggt	gcctgggggtg	gagtacaatt	gtgccatctc	agctcaccac	aacctctgcc	660
tcccagggtc	aagtgattat	cctgcctcag	cctcccagat	acctgagatt	acagatgcct	720
gccatcacac	ccagctaatt	tttgattttt	tagtagagat	ggggtttctg	catgttggtc	780
agtctgggtc	tgaactcctg	acctcaggcg	atccacctgc	ttcagcctcc	caaagtattg	840
ggattacagg	cgtgagccac	tgtgcccagc	ctcctcggcc	tcttaagaac	tggtgtgcac	900
caccataccc	agctaattag	aaaaaaaaat	ttgtagagat	aaggctctac	tatgttgccc	960
aggcttggtt	caaactcctg	gtctcaagca	atcctcccac	ttcaacctcc	taaagtgtctg	1020
agattacagg	cgtaagccac	tgccctcagc	cctcaaagca	gtattaaagc	tagtctagac	1080
tatattatgg	tacagaaaga	acaagaagtt	gattgagtca	agcatttgat	tgattttattg	1140
ctcgatttta	tattggcaac	cataaggggt	gctgttaatt	gttactagta	tcaaagtttg	1200
gaaaattctg	cccagttatt	gttcaatctt	tgaagactga	ggaacaagcc	atgttcctct	1260
taagcattta	atgacgttct	tgcaatttta	ttattttctt	tcctttaate	cttctccaaa	1320
tatacatttt	ttgcctcttc	cttttttagcc	ttcatctact	ccttgagat	tgctttgttg	1380
caaggattgc	ttgtttcaac	taggctgtct	ttcctttggc	ctaagagtcc	acaggcaaac	1440
ctgagctgtg	cccacttgct	aggcttgcta	tagggacctg	aatttgcaaa	ggaaggggaa	1500
cagtagagaa	taaataatgg	gagacagtga	gcctatggct	atgtcttttc	agatgccttc	1560
tgcttggttt	gttttagatt	gccattgcct	cagtcctctc	tgtgggatag	gccaagactt	1620
gtgtgctgtc	ttgacccatg	tggcagctac	ttaattccca	ctgtgggtct	cagctctcgt	1680
gtgctggggc	agccaagaag	ggaggcagtt	aagaagttag	ggtgcttagc	agtgttctaa	1740
gtttagcccg	ctaaggaagc	atttcagata	gttctgttct	ccttttttgt	gtggaaaata	1800
aatagctgtc	caagccaggc	acggtgcctc	acgcctgtaa	tccttttggt	aagctgaggt	1860
aggcagatca	cgaggtcagg	agttcgagat	cagcctggcc	agcgtgggtg	aaccccgctg	1920
ctactaaaaa	gacagaaatt	tggccgggca	tggtggggcg	tgccgtgta	cccagctact	1980
tgggaggtcg	aggcagaaga	attgcttgaa	ccgggagggt	ggaggtcttt	gggcttgtat	2040
gttgatgggtg	atatttgtag	agcattaact	aagttctagt	cactgttcta	aaaattttac	2100
atctatgcac	tcatctaate	ctcataacat	ttctgggggt	taggctctat	tattgtcttc	2160
atcctacaga	tgtgggaatc	ctagagtata	aatccttgcc	taaacagcaa	gtacgttttc	2220
acaaacccaa	ataatcttat	taaaataatt	gtttaaataa	aagtatatatt	tattgttttt	2280
cttggtttttt	aaaagaaagc	ttgttggtac	tactagatta	ttttttgagg	gcatagtatt	2340
ctcaatatcc	tcctttttata	cagcaaaaaat	attttaaatg	gatgagatgg	aatggtagta	2400
ctagaaagaa	aggtaaaaaa	tttaattgaca	aatctcaaca	cctagaatta	aattgctagc	2460
ttcactgggg	tttcttaata	ataaaaaact	tttttttttt	tttttaattc	cacagcaaac	2520
tttgaaacaa	aaatgggtgg	agtacagatc	tctgcagtta	caggaacatc	gtctgttcca	2580
tggtaaatgc	aatttctctgt	tcagaaaacca	cactaacatt	acttctttca	gtatttctgc	2640
ctcaaagttg	gtttaagatt	atcatcatta	taagaaaaat	ttgtctagtg	ctgggtcaagg	2700
aaatgggtct	gtgtttcttt	ggcatgagct	ttggaatggc	tgtatttgga	ggaggggtaa	2760
ggcaagtcag	atccactact	gcgtatcatg	acgcagatgc	acatgcacac	agatgcacat	2820
gctcgaaaac	aggcacctgg	agatttttaga	aaatcattgg	ggaagattgc	ctaactttcc	2880
ttctacttca	gtgaatgaat	tacattttctg	aaaacaatca	cggctaaggg	gctgtatagt	2940
ttttagaagc	tattaaagct	ggaatgggtg	cacacttatt	gggtagagct	cctgtctttt	3000
gtttaaattg	cataagtgtc	atttatgcag	agaaattctt	tttcatggcc	cccaagacaa	3060
agacataaat	gcgtaagatg	aatacaacag	taaatgcata	gctcttgcca	ttgagtgcac	3120
ttttaaggga	agggttgagt	ttaaaatgtg	ttaatctgct	atttggtgta	tgatagatgt	3180
aaccaaagga	atgaactttt	gtgtacaaat	aattcactga	aaccactacg	tgggtgtgaa	3240
atatagctta	tctcttcttt	aaatagcacc	aagcttaagt	ctgtaacctc	gaatatctgt	3300
taaaagtgat	aatcaatttg	tttaccaaaa	aagataacaa	tttaatcctt	aactagtcac	3360
taatttatgg	cttagagttc	tgggtatgaac	ttctgttttt	ttttttttta	attgaagtgt	3420
ttgaaactta	tgtacaagtt	acttctcttt	tttatgtctt	catttaatat	ttttaaaaaa	3480
ttcataatag	ttcttttggtg	tagtgaagtt	tggttagagag	gcagaaatat	tttaatacaaa	3540
aacttcttta	tggccttgta	aattcagcca	cctccttgct	ttcttttagac	atgagggtct	3600

ttagcctca	tttccacttc	tggagcatcc	tgaatggccc	agtgaatata	aattcttgc	3660
gttctataga	aacagccttg	tatagacaac	attgttaggt	caggatcctc	ataaagtc	3720
tgttgtagat	atTTTTtgag	caattgaagg	agttctgctt	tttctagatg	tatagtaa	3780
atccagggca	tgtgattcta	taaggcaatt	gctctccaat	caaaagaa	tcatactta	3840
ttgcaagatg	aaatgaagta	ggttgtatta	gcaaaaagga	aagcattatg	actagtcacc	3900
atggggctgg	ctgtactcaa	ccttgcaaat	catctgaaag	aacagtttct	ttttatattg	3960
tcaaccgagg	acaaaagaca	gcagcagtgg	agataatcag	tacaaaataa	aaccatttta	4020
gaggtgtacag	tattctatta	tttttctga	agcatagtca	cttactgatt	acgtttttcc	4080
aaggctggta	tttcaagttc	tctctctctc	tctctctctc	tctcacacac	acacacacac	4140
aagataccaa	ccaactcagt	tagtgtggaa	gcagggaggg	tcataattgg	atgtgattaa	4200
cattagagtt	tgaagagcca	gatgtacgtt	gttaaggatc	aatgaaaaaa	atthagccaa	4260
gcagataaaa	ttcaatttct	tcaataaat	tattacttac	ttgaggacaa	ggatgatttc	4320
tggttacagt	atcattccag	agaatttaag	tattccaaaa	cgaaactggg	aatattgagg	4380
ttggaagata	catttgatct	cacaaatcct	ttctctaaga	aacacttttg	aattacctgt	4440
tccataactg	ttttctattt	acttcaa	gttttataat	aatttttagaa	ttatttttaa	4500
aagacagtac	ctaagaatca	gagaaactaa	gtggagaaaa	tcatgatagt	atttcccaa	4560
gtgtattcta	tgggaaccca	tttctgtgag	aatttttaata	aaaggtttca	gggtatttta	4620
aatttaagaa	atgatcattt	tggaggttca	gatgccacac	tggtagactg	tcaattgggc	4680
tgaactgttc	tcatatgaaa	catcttgttt	aaatttattc	taataattata	atttttgtga	4740
ccatggaacc	ttggtctatg	aacaatagtt	caggaaaccc	tactataagg	tttatcaaat	4800
ggtctcataa	acagttactt	attcaagcac	gccaaagctc	agtgaaaagt	atttttcacc	4860
cttactcttt	ctcgtgtcat	tcaaagagaa	gttttgatgt	agtgtattta	tttgtaggga	4920
gtaatgaaca	gatccatttc	acagtagact	ttgtgctcta	ggtgatgcag	ctaattgcc	4980
cagttttgga	aacatggagt	tggatgaatt	gtctttgttt	ggacccctgc	ctgggccagg	5040
cccagccctt	gtggaccgga	atcgattatc	cagtgaagc	agctgtaaga	gctggctgag	5100
ctccatgacg	atggacagtg	aagatggcta	ccagacgtgt	gtgtctgagg	actgccagcag	5160
gggtgccttc	agtcggcaga	cgagtacaga	tgatgagtgc	tttatcccca	aggaggggga	5220
tgattttctg	aggaggtcat	cttcaaggag	gaaccggagc	atcagtaaca	ccagcagcgg	5280
atccatgtct	cccttggtgg	agggcaactt	atcaagcatg	tttggaacct	gccccggaag	5340
agcagaaaagg	gaagtgtccg	aaagcaactc	ttgaaattta	tccctggcct	tcatactgtct	5400
gtggaagagg	aagaaagtcg	cttttgacgg	attgtggtgt	cctttcaaat	tagcttattt	5460
cacaaatata	tctagactca	cccagatccc	agcttggtgg	gaaagtgcag	agaatttgca	5520
aaactgacat	cccattttcac	agcaatagtg	acctttattt	aaattgttgt	gttatagttt	5580
atgctttctta	aatcattttt	caacctaaag	agccaatttc	taagcagata	ggaactaa	5640
ataataagtt	aattaatata	acaaagatgc	aggttctctc	tcattccagt	aatgtctttg	5700
aaagcaaaac	taatattttat	tttctagatt	atccctgtga	ataattgaga	actttttgga	5760
gtcaagtatg	aataaagggtg	tggcagaata	taataatctg	gactattttc	tataggataa	5820
ttgctggggt	ataaaatctt	aggtttgctt	atgcccagta	gctcctgcgg	aggcttaata	5880
ataggcaatt	ttgaatttgt	tcaaacctgt	aatggcttgt	aaacaaagat	gaccatcagc	5940
tgtttctcac	atctatagtg	acaataaagc	gggaagtata	agattttaata	ggaggggtta	6000
aggttcatga	gaaccattgga	aagatgtggt	ctgagatggg	tgctgcaaag	atcataataa	6060
agtcattttt	atagacagtc	taaacaaaat	gggtggggat	gtcgtgtttt	ttgcccaatt	6120
cagcttttat	tctac					6135

```
<210> 9417
<211> 6487
<212> DNA
<213> Homo sapiens
```

<400> 9417						
cagttgaaaa	acccttagtc	actttgacac	atctgctctt	tacactggta	ttttcttggg	60
ttaaagtgcg	acatactgaa	atgactgggt	caaatcaaca	aatcagatat	tgcaaaacca	120
gtattttttc	aaaaattgac	tgtatatata	aagtcagcca	gtgctgactt	cgtattttta	180
gatagtaagt	gcagaaatat	aacttcctct	tctttctgtc	tctagttttt	actgttgacc	240
tatccctatg	ctcctcaact	ggacgctagt	ctcttgtagg	aaataaatct	ctttaagaaa	300
gatgaaagag	gttgggatgt	atgccaggca	cttgctagcc	ttatactccc	tacgtcccta	360
attttgacct	tcataataac	acagattttac	acagttaaaa	gctgggaata	aggcagcata	420
gcagtccttt	tttttttttt	tttttttttt	ttgtggcagg	gtcttaccct	attgcccatg	480
ctggagtgca	gtagcatgat	catagctcac	tgtaacctca	acctcccagg	cttaagtgat	540
ccttctacat	cagcctcttt	tttaaaaaaa	ttattttatt	atttttgaga	caaagttttg	600

ctcttgttgc	ctgggggtgga	gtacaattgt	gccatctcag	ctcaccacaa	cctctgcctc	660
ccaggttcaa	gtgattatcc	tgcctcagcc	tcccgagtac	ctgagattac	agatgcctgc	720
catcacaccc	agctaatttt	tgtattttta	gtagagatgg	ggtttcgcca	tggtggccag	780
tctggctctg	aactcctgac	ctcaggcgat	ccacctgctt	cagcctccca	aagtattggg	840
attacaggcg	tgagccactg	tgcccagcct	cctcggcctc	ttaagaactg	gtgtgcacca	900
ccatacccag	ctaattagaa	aaaaaaattt	gtagagataa	ggctcacta	tggtgcccag	960
gcttgtttca	aactcctggt	ctcaagcaat	cctcccactt	caacctccta	aagtgtctgag	1020
attacaggcg	taagccactg	ccctcagccc	tcaaagcagt	attaaagcta	gtctagacta	1080
tattatggta	cagaaagaac	aagaagttga	ttgagtcaag	catttgattg	atattattgct	1140
cgattttata	ttggcaacca	taagggttgc	tggttaattgt	tactagtatc	aaagtttgga	1200
aaattctgcc	cagttattgt	tcaatctttg	aagactgagg	aacaagccat	gttcctctta	1260
agcattttaat	gacgttcttg	caattttatt	atthttctttc	ctttaatcct	tctccaaata	1320
tacatttttt	gcctcttcct	tttttagcctt	catctactcc	ttgcagattg	ccttggtggca	1380
aggattgctt	gtttcaacta	ggctgtcttt	cctttggcct	aagagtccac	aggcaaacct	1440
gagctgtgcc	cacttgctag	gcttgctata	gggacctgaa	tttgcaaagg	aaggggaaca	1500
gtagagaata	aataatggga	gacagtgagc	ctatggctat	gtcttttcag	atgccttctg	1560
cctggtttgt	tttagattgc	cattgcctca	gtcccctctg	tgggataggc	caagacttgt	1620
gtgctgtctt	gacccatgtg	gcagctactt	aattcccact	gtgggtctca	gctctcgtgt	1680
gctggggcag	ccaagaaggg	aggcagttaa	gaagttaggg	tgcttagcag	tgttctaagt	1740
ttagcccgt	aaggaagcat	ttcagatagt	tctgttctcc	ttttttgtgt	ggaaaataaa	1800
tagctgtcca	agccaggcac	gggtgcctcac	gcctgtaatc	cctttgggaa	gctgaggtag	1860
gcagatcacg	aggtcaggag	ttcgagatca	gcctggccag	cggtggtgaaa	ccccgtcgct	1920
actaaaaaga	cagaaatttg	gccggggcatg	gtggggcgctg	cctgtaatcc	cagctacttg	1980
ggaggctgag	gcagaagaat	tgcttgaacc	cgggaggtgg	aggtctttgg	gcttgatatgt	2040
tgatgggtgat	atthgttagag	cattaactaa	gttctagtca	ctgttctaaa	aatthttacat	2100
ctatgcactc	atctaactcct	cataacattt	ctggggttta	ggctctatta	ttgtcttcat	2160
cctacagatg	tggaatcct	agagtataaa	tccttgcccta	aacagcaagt	acgttttcac	2220
aaacccaaat	aatcttatta	aaataattgt	ttaaataaaa	gtatatttta	ttgtttttct	2280
tgthtttttaa	aagaaagctt	gttggtacta	ctagattatt	tttgagggc	atagtattct	2340
caatatcctc	ctthttatata	gcaaaaaatat	tttaaattgga	tgagatggaa	tggtagtact	2400
agaaagaaag	gtaaaaaatt	taatgacaaa	tctcaacacc	tagaattaaa	ttgctagctt	2460
cactgggggt	tcctaataat	aaaaactttt	ttthtttttt	ttttaatctc	acagcaaact	2520
ttgaaacaaa	aatgggtgga	gtacagatct	ctgcagttac	aggaacatcg	tctgtctcat	2580
ggtaaatgca	atthtctgtt	cagaaaccac	actaacatta	cttctttcag	tatttctgcc	2640
tcaaagtttg	tttaagatta	tcattcattat	aagaaaaatt	tgtctagtgc	tggtcaaggga	2700
aatgggtctg	tgthttctttg	gcatgagctt	tggaatggct	gtatttgagg	gaggggtaag	2760
gcaagtcaga	tccactactg	cgtatcatga	cgcagatgca	catgcacaca	gatgcacatg	2820
ctcgaaaaca	ggcacctgga	gatttttagaa	aatcattggg	gaagattgcc	taactttcct	2880
tctacttcag	tgaatgaatt	acatttctga	aaacaatcac	ggctaagggg	ctgtatagtt	2940
tttagaagct	attaaagctg	gaatggttgc	acacttattg	ggtagagctc	ctgtcttttg	3000
tttaaattgc	ataagttgca	tttatgcaga	gaaattcttt	ttcatggccc	ccaagacaaa	3060
gacataaatg	cgtaagatga	atacaacagt	aaatgcatag	ctcttgccat	tgagtgcatt	3120
tttaagggaa	gggttgagtt	taaaatgtgt	taattcgcta	tttggtgtat	gatagatgta	3180
accaaaggaa	tgaacttttg	tgtacaaata	attcactgaa	accactacgt	gggtgtgaaa	3240
tatagcttat	ctcttcttta	aatagcacca	agcttaagtc	tgtaacctag	aatatctggt	3300
aaaagtgata	atcaatttgt	ttaccaaata	agataacaat	ttaatcctta	actagtcact	3360
aatttatggc	ttagagttct	ggatgaact	tctgtttttt	ttthtttaaa	ttgaagtgtt	3420
tgaaacttat	gtacaagtta	cttctctttt	ttatgtcttc	atttaatat	tttaaaaaat	3480
tcataatagt	tcttttggtg	agtgaagttt	gttagagagg	cagaaatatt	taatacaaaa	3540
acttctttat	ggccttgtaa	attcagccac	ctccttgctt	tctttagaca	tgagggcttt	3600
ttagctctcat	ttccacttct	ggagcctcct	gaatggccca	gtgaatataa	attcttgctg	3660
ttctatagaa	atagaccttg	atagacaaca	ttgttaggtc	aggatcctca	taaagtcatt	3720
gttgtagata	ttttttgagc	aattgaaggga	gttctgcttt	ttctagatgt	atagtaaaca	3780
tccaggggcat	gtgattctat	aaggcaattg	ctctccaatc	aaaagaaatt	catcacttat	3840
tgcaagatga	aatgaagtag	gttgatttag	caaaaaggaa	agcattatga	ctagtcacca	3900
tggggctggc	tgtactcaac	cttgcaaatc	atctgaaaga	acagtttctt	tttatattgt	3960
caaccgagga	caaaagacag	cagcagtggga	gataatcagt	acaaaataaa	accatttttag	4020
agtgtacagt	attctattat	tttttctgaa	gcatagtcac	ttactgatta	cgthttttcca	4080
aggctgggtat	tacaagttct	ctctctctct	ctctctctct	ctcacacaca	cacacacaca	4140
agataccaac	caactcagtt	agtgtggaag	cagggagggt	catattggta	tgtgattaac	4200
attagagttt	gaagagccag	atgtacgttg	ttaaggatca	atgaaaaaaa	tttagccaag	4260

cagataaaaat	tcaattttctt	caaataaatt	attacttact	tgaggacaag	gatgatttct	4320
gggtacagta	tcattccaga	gaatttaagt	attccaaaac	gaaactggga	atattgaggt	4380
tggaagatac	atgtgatttc	acaaatcctt	tctctaagaa	acacttttga	attacctgtt	4440
ccataactgt	tttctattta	cttcaaattg	ttttataata	attttagaat	tattttttaa	4500
agacagtacc	taagaatcag	agaaactaag	tggagaaaat	catgatagta	tttccccaag	4560
tgtattctat	ggaaccccat	ttctgtgaga	attttaataa	aaggtttcag	ggttatttaa	4620
atttaagaaa	tgatcatttt	ggagggtcag	atgccacact	ggtagactgt	caattgggct	4680
gaactgttct	catatgaaac	atcttgttta	aattttattct	aatattataa	tttttgtgac	4740
catggaacct	tgggtctatga	acaatagtct	aggaaacctt	actataaggt	ttatcaaattg	4800
gtctcataaa	cagttactta	ttcaagcagc	ccaaagctca	gtgaaaagta	tttttcaccc	4860
ttactctttc	tcgtgtcatt	caaagagaag	ttttgatgta	gtgtatttat	ttgtagggag	4920
taatgaacag	atccatttca	cagtagactt	tgtgctctag	gtgatgcagc	taattgcccc	4980
agtttggaag	acatggactt	ggatgaattg	tctttgtttg	gacccctgcc	tggggccaggc	5040
ccagcccttg	tggaccggaa	tcgattatcc	agtgaagagc	gctgtaagag	ctggctgagc	5100
tccatgacga	tggacagtga	agatggctac	cagacgtgtg	tgtctgagga	ctccagcagg	5160
gggtgccttca	gtcggcagac	gagtacagat	gatgagtgtc	ttatcccaa	ggagggggat	5220
gattttctga	ggaggtcac	ttcaaggagg	aaccggagca	tcagtaacac	cagcagcgga	5280
tccatgtctc	ccttggtgga	gggcaactta	tcaagcatgt	ttgggaccct	gccccggaag	5340
agcagaaagg	gaagtgtccg	aaagcaactc	ttgaaattta	tccctggcct	tcctcgtgct	5400
gtggaagagg	aagaaagtcg	cttttgacgg	attgtggtgt	cctttcaaatt	tagcttattt	5460
cacaaatata	tctagactca	cccagatccc	agcttggtgg	gaaagtgcag	aagaattgca	5520
aaactgacat	cccatttcac	agcaatagt	acctttattt	aaattgttgt	gttatagttt	5580
atgctttctta	aatcattttt	caacctaaac	agccaatttc	taagcagaca	ggaaaactaa	5640
ataataagtt	aattaatata	acaaagatgc	aggttctctg	tcattccagt	aatgtctttg	5700
aaagcaaaac	taataatttat	tttctagatt	atccctgtga	ataattgaga	actttttgga	5760
gtcaagtatg	aataaagggt	tggcagaata	taataaatctg	gactattttc	tataggataa	5820
ttgctgggtt	ataaaatctt	aggtttgctt	atgccagta	gctcctgcgg	aggcttaata	5880
ataggcaatt	ttgaatttgt	tcaaacctgt	aatggcttgt	aaacaaagat	gaccatcagc	5940
tgtttctcac	atctatagt	acaataaagc	gggaagtata	agatttaata	ggaggggtta	6000
aggttcatga	gaaccatgga	aagatgtggt	ctgagatggg	tgctgcaaag	atcataataa	6060
agtcattttt	atagacagtc	taaaacaaat	gggtggggat	gtcatgtttt	ttgcccatt	6120
cagcttttgt	tctgcctgaa	cattaatggc	aagtctagaa	ctctccgaat	cctacagctt	6180
tgtaattttt	tttctacaaa	tgtctaact	ccaaaactga	gggttgggaa	aaggacttcc	6240
ctcctgtagt	ttttttcata	ttactttcta	ctttatatct	tatattctaa	atagctatca	6300
cctcagcagt	cttttgcccta	ttggttatgt	tagtatcaca	ttacttctag	cctttcaatt	6360
actccatgtt	ttattttaata	tccattgaag	tctatgaatt	ctctgttctg	gtggcacagc	6420
tattcataac	ctatatttcta	gagtagacaa	tctggactat	gtaataaata	gtctgctgat	6480
tttaagt						6487

<210> 9418

<211> 139

<212> DNA

<213> Homo sapiens

<400> 9418

tttttttttt	tttgagacag	agtttcgccc	ttgtcaccca	ggctggagtg	cagtggcatg	60
atctcggctc	actgcaacct	ccacctccc	ggttcaaggg	attctcctgc	ctcagcctcc	120
tgagtagctg	ggattacag					139

<210> 9419

<211> 139

<212> DNA

<213> Homo sapiens

<400> 9419

tttttttttt	tttgagacag	agtttcgccc	ttgtcaccca	ggctggagtg	cagtggcatg	60
atctcggctc	actgcaacct	ccacctccc	ggttcaaggg	attctcctgc	ctcagcctcc	120
tgagtagctg	ggattacag					139









ttcttttttt	cagggacttt	tctagctgta	tgactgttac	ttgaccttct	ttgaaaagca	4080
ttcccaaaat	gctctatttt	agatagatta	acattaacca	acataatttt	tttttagatcg	4140
agtcagcata	aattttctaag	tcagcctcta	gtcgtgggtc	atctctttca	cctgcatttt	4200
atttggtggt	tgtctgaaga	aaggaaaagag	gaaagcaaat	acgaattgta	ctatttgtac	4260
caaattctttg	ggattcattg	gcaaataatt	tcagtgtggt	gtattattaa	atagaaaaaa	4320
aaaattttgt	ttcctaggtt	gaaggtctaa	ttgatacggt	tgacttatga	tgaccattta	4380
tgcaatttca	aatgaatttg	ctttcaaaaat	aaatgaagag	cagctgtcct	tctttcctct	4440
tttaagtgtt	cagctgtggc	atgctcagag	gttcctgctg	gattccagct	ggagcggtgt	4500
gatacccttc	tttttcagct	gttcgtgcct	tcctttcttg	tatccaccaa	agtggagaca	4560
aatacatgat	ctcaaagata	cacagtacct	acttaattcc	agctgatggg	agaccaaaga	4620
atttgcaagt	ggatggtttg	gtatcactgt	aaataaaaag	agggcctggg	aattcttgcg	4680
attccatctc	tactttgtat	aagtctcatt	ttgtgcctta	cacatctgca	gtatttatca	4740
tgttccaact	tggtgactgt	caggcagctgc	aatacatcag	cagtttatca	ccgaagagct	4800
gaggaatacc	tcccttaaaa	cagacaatgt	cggccggggcg	cggtggtctca	cacctgtaat	4860
cccagcactt	tgggaggcca	aggcgggcag	atcacctgag	gtcaggagtt	tgagaccagc	4920
ctggccaaca	tggcgaaacc	ccatctctac	taaaaatata	aaaaattagc	cgggcgtggt	4980
gggtcacgcc	tgtaatccca	gctattcagg	aggctgaggc	aggagaatcc	cttgaacgca	5040
ggaagcagag	tttgacgtga	gccgagatgg	cgccactgca	ctccagcctg	ggtgacagag	5100
caagacaaaa	aaaataacag	atgatgtcat	atgaaaatgt	gcaatgtcca	gttttcccat	5160
agttttctgt	attctctgtg	tgcataatct	ggagtatgag	tctgggaaga	aaaagggtttt	5220
tagtttcatt	tggatagtgg	ccacctctcc	attccctacg	aatgctagaa	tgaagttact	5280
tttttttttt	tttttttttt	tttttgagaca	gagtccttgc	ccgtcgccca	ggctagagtgt	5340
caatggtaca	atctcggtct	actgccactt	ccgcctccca	ggttcaagcg	attgtcctgc	5400
ctcagcctct	ggagtagttg	ggattccagg	cgcccaccac	cacaccaggc	tagtttttgt	5460
atttttagta	gagacggggg	ttggccatgt	tggtcaggct	ggtctcgaac	tcctgacctg	5520
aggtgatcca	cctgcctcgg	tctcccaaag	ttctgggttc	acagacgtga	gccaccatgc	5580
ccacgtagaa	tgaagtttct	taaatacact	agttaattat	tgaacatat	gcagtattga	5640
gtgctcctac	acaaacacgc	tcagcctctg	cccccagtgt	gctctgtgct	atccacagcc	5700
ttagtagaac	atgaggcttt	ttgtcatttc	accagtcatt	caataatgac	tcatttgagt	5760
atggatcatg	cactagctaa	ataaccagtt	gcgctcatgt	accctgaagc	aaattgttta	5820
gcctgaccca	tgtgtaagaa	gatcacagag	attcccaacc	tttcagtgct	aaaaagcctt	5880
tccatatata	ttacttttaa	acccattttc	ccccatgtgt	aatagtctat	gttaatgacg	5940
gttcgggttt	cttctacatt	gtttgtgacc	tgagaaagtt	taaaagagcc	tcagtttctt	6000
tcattctata	aaataaaaaga	gatagaagga	cagtttacct	aaggaataaa	tctggtaaca	6060
tgtaaagtac	tgaatataggc	tgggtgcagt	ggctcatgct	tataatccta	atactttggg	6120
aggccaaggc	aggaggatcc	cttttagggc	aagagttcaa	taaatagggc	cgggcatggt	6180
ggctcacgcc	tgtaatccca	gcactttggg	aggccaaggt	gggcagatca	cctgagttcg	6240
agaccagcct	aaccaacatg	gcgaaatcac	atctctacta	aaaatacaaa	aatgtagcag	6300
gcacggtggc	acatgcctgt	aatcccagct	actcgggagg	ctgaggcagg	aatcgcttga	6360
accaggagg	cagaggttgc	agtgagccga	gatcttgcca	ttgcactcca	gcctgggcaa	6420
caagagtga	actccgtctc	aaaacaaaaca	aacaaaaaag	agttcagtaa	aagtacagca	6480
ataaaagtta	tccacctcca	ccaccccagc	tttttttttt	tttttttttt	tttttttgaga	6540
gtgagggttt	actgtgtcac	ccagggtcga	gtgtgggtgg	acagtcatgg	ctctttacag	6600
ccttgacctc	ccagggtcaa	gaaattctcc	tacctcagcc	tccctggcaa	ggaccagcat	6660
gaaccaccat	acctgggttaa	ttttttaatt	ttttgtaaag	acagggtctc	aatattttgc	6720
ccaggccagt	cttgaattcc	caggctcgag	cgatcctgcc	gtggcctccc	aaagtgtctg	6780
gatgacaggt	gtgagccacc	atgctgggca	ttcccaatga	aagactgagg	ccaggcacag	6840
tggtcacgc	ctgtcatccc	agccttttgg	gaggccaaga	caggatcact	tgaggtcagg	6900
agttcaagac	cagcctggcc	agcatggtga	aaccctatct	ctactaaaaa	tacaaaaatt	6960
agccaggcgt	ggtggcgat	gcctgtaatc	tcagctactc	gggaaacagg	caggagagtc	7020
acttgaacct	ggaaggcaga	cgttgcagtg	acctgagatc	gtgccactgc	actccagcct	7080
gggcaacaga	gcaagacacc	atctcgcaaa	aaaaaaaaaa	aaaaaaaaaa	aaaa	7134

<210> 9422  
 <211> 4284  
 <212> DNA  
 <213> Homo sapiens

<400> 9422  
 ccttactttg aggactaact cttttgctgg aagcggtttc tgatttacag ctcttggttt 60

ctccagaca	tgttggtggg	agagattttg	gtttttaagg	ggttgttaga	tggagtaa	120
tttcttttt	ttttttttt	tttttaacta	aaaaggggtc	acagaatttc	agcagttctc	180
tgatttttat	attttattcc	tcttcttctc	caatccctgc	cttttgagtc	cagggtgtaa	240
gtacattttc	tttaacgttt	ttcctgcttt	tcttcccaaa	tgtgtctttt	tctttgggct	300
actgtaccct	gcttccagtg	ctgtccccgg	cataggtcca	tctctgcaga	agccatttca	360
ggagtacctg	gaggctcaac	ggcagaagct	tcaccacaaa	agcgaaatgg	gcacaccaca	420
ggtaagactt	taatccgggt	tcttctcccc	tctgggaagt	ttcggggctg	aattacattc	480
acagctctca	ctcacatttt	taggcaataa	agtgaaagtg	gtttgccagt	gttccttgac	540
agaagttagg	cgtctgtgta	tgtctctactg	ggaaatttgt	ctttgtctta	gactagaaa	600
tgtaacttct	gtacatcttc	tcctaaaaac	aagggtagag	ccaatggaaa	gtaatggttc	660
tgttacatag	aatgagttgt	tgccttgatc	ttaaatgatg	tattggtaga	tatactttcc	720
aagtggatta	aaaagttaaa	acttacagca	taacaaagta	ttagacttac	tgaggtgact	780
tgaatatctc	cttttgattt	tcactctatt	tttcttttca	cccatgggaa	aatgataatt	840
ttttaataaa	ccaaggctct	taccatagct	gaacttttaa	acttagactg	tcttttctgt	900
aaacgattct	gaggcacaag	gaaatgacta	gaagaggatg	agtaaacaat	aacctgaaat	960
gggaaactcg	aggggaagc	aggttttttt	tgttttggtt	tgtttggttc	gttttttgtt	1020
ctttgggggt	tttttgagac	agaattttcg	tctcgttgcc	caagttggag	tgcaatggcg	1080
cgactctggc	tccactgcaac	ctccgcctcc	cgggttcaag	cgattctcct	gcctcagcct	1140
cccaagtagc	tgtgattcca	ggcacgtgcc	accacaccag	ctaatttttt	gtattttta	1200
agaaacaggg	tttcaccgtg	ttagccaggc	tgggtctcaa	ctgacctcag	atgatccgcc	1260
cgctttggcc	tcccaaagtg	ctgggattac	agatgtgagc	caccgcgcc	ggccagagca	1320
ctgttttttt	taatggcctt	gcactcttct	tatggacctt	tgtgcctctc	agttgaccaa	1380
acatgacatc	agaaacagat	acattttgtg	gttttaaaaa	cagctcctaa	tactggaaca	1440
aaaatattta	actgtcttta	caatactcat	gagtatctgc	atggcgactt	cagagtttag	1500
tttaaatcaa	gagttttatc	ttaggtccta	gtagaagagc	taacctcaca	ctcatcccat	1560
tctaactat	gtgattcaac	actgatttta	catccaacaa	agtgaaatct	tgatagttgg	1620
gtgtaaaaag	gagagtaaat	gagatttcag	agtagttggg	gttgcttact	tttcattttt	1680
aattcttttag	gttttgtaag	ttacacactt	caagcattat	agatgatcct	ctttttacta	1740
ctgaactaat	gaagcctttt	tcattgcatt	gttctgcatt	tatttctaca	gggagaaaac	1800
tggttgctct	ggatgtttga	aaagttgggt	gttgatcatg	tgtgttactt	catcctatct	1860
atcattaact	ccatggcaca	aagttatgcc	aaacgaatcc	agcagcgggt	gaactcagag	1920
gagaaaacta	aataagtaga	gaaagtttta	aactgcagaa	attggagtgg	atgggttctg	1980
ccttaaattg	ggaggactcc	aagccgggaa	ggaaaattcc	ctttttccaac	ctgtatcaat	2040
ttttacaact	tttttctcta	aagcagttta	gtccatactt	tgcactgaca	tactttttcc	2100
ttctgtgcta	aggttaaggta	tccacctctg	atgcaatcca	ccttgtgttt	tcttaggggtg	2160
gaatgtgatg	ttcagcagca	aacttgcaac	agactggcct	tctgtttgtt	actttcaaaa	2220
ggcccacatg	atacaattag	agaattccca	ccgcacaaaa	aaagtctcta	agtatgttaa	2280
atatgtcaag	cttttttaggc	ttgtcacaaa	tgattgcttt	gttttcttaa	gtcatcaaaa	2340
tgtatataaa	ttatctagat	tggataacag	tcttgcatgt	ttatcatgtt	acaattta	2400
attccatcct	gcccacccct	tctctcccca	tctcaaaaaa	agggccattt	tatgatgcat	2460
tgcacaccct	ctggggaaat	tgatctttta	attttgagac	agtataagga	aaatctgggt	2520
ggtgtctttc	aagtgaagct	acaccatttt	ttattctgtg	tatttagaat	gaagtcttga	2580
aaaaaacctt	ataaagacat	ctttaatcat	tcacaaatgt	tgtccgtttt	cttgagcgtt	2640
ttgatttttt	acttttagct	tataccagct	gaatggcagc	cttgccctaat	ccacctacaa	2700
caagaatttc	ttagactttc	ttttattttg	atgagagagc	cactaccaag	gcatgttttg	2760
ttatgttgaa	actgggctgc	tgcatactgc	taaatggcac	ctctgggatt	ggcctacctg	2820
gggattttct	ggtttgtgaa	aacaggagag	gagaaatata	tcatacaagt	gaaaggatac	2880
tggagagaga	aattaccctt	ttctaaaaaa	aaaccacact	ctgtcgtatc	tgtgttaatg	2940
ttttctagca	tgtactctgg	tttcaacaga	cacaaattta	tatgttaacc	cagttttctt	3000
gccgttctgt	aagtgtttta	ttcttagtgt	gatttttttt	cattgggatg	tttttgattg	3060
agcttgttca	ttttgttttg	cttggggagga	aaataaacaa	ttttactttt	ttccttttagg	3120
accattatga	gcattatgtc	agaatagaat	agaattgggg	ttcgatctta	acaggccaga	3180
aatgcctggg	tttttttggg	ttgtttttgt	ttttgttttt	ttatcaaatc	ctgcctgact	3240
gtctgcttgt	tttgcttacc	atcgtgacat	ctccatggct	gtaccacctt	gtcgggtagc	3300
ttatcagact	gatgttgact	gttgaatctc	atggcaacac	cagtcgatgg	gctgtctgac	3360
attttggtat	ctttcatctg	accatccata	tccaatgttc	tcatttaaac	attaccagc	3420
atcattgttt	ataatcagaa	actctgggtc	ttctgtctgg	tggcacttag	agtcttttgt	3480
gccataatgc	agcagtagtg	agggaggatt	ttatggagaa	atggggatag	tcttcatgac	35

tagatcgagt	cagcataaat	ttctaagtca	gcctctagtc	gtgggttcac	tctttcacct	3780
gcatttttatt	tgggtgtttgt	ctgaagaaaag	gaaagaggaa	agcaaatacg	aattgtacta	3840
tttgtacca	atctttggga	ttcattggca	aataatttca	gtgtgggtgta	ttattaaata	3900
gaaaaaaaaa	atctttgtttc	ctaggttgaa	ggtctaattg	atacgtttga	cttatgatga	3960
ccattttatgc	acttttcaaat	gaatttgctt	tcaaaataaa	tgaagagcag	ctgtccttct	4020
ttcctctttt	aagtgttcag	ctgtggcatg	ctcagagggt	cctgctggat	tccagctgga	4080
gcggtgtgat	acccttcttt	ttcagctgtt	cgtgccttcc	tttcttgtat	ccaccaaagt	4140
ggagacaaat	acatgatctc	aaagatacac	agtacctact	taattccagc	tgatgggaga	4200
ccaaagaatt	tgcaagtggg	tggtttggta	tcactgtaaa	taaaaagagg	gcctgggaat	4260
tcttgcgatt	ccatctctac	tttg				4284

<210> 9423  
 <211> 392  
 <212> DNA  
 <213> Homo sapiens

<400> 9423						
ccaaatgact	cagaggacct	agagggaggg	cttgaacaca	ctccagcact	gtttctacaa	60
tttagccttt	atctgcattg	gaaaccacat	tcctgaattc	ttgagggggc	aggctctggc	120
ttattctggg	caactgactt	caagtgggac	ccctgagcta	cctatgtaag	caaagagtca	180
gccatctctg	gagagttacc	agggaggagg	atctttctgt	gaacttgctt	tgatgacctc	240
cacccaaagc	cctttgagga	acagttttgt	ttattcaagg	agcccttggc	aggtcactcc	300
tccctacca	caaactctaat	ccaaatgcga	cattttcctt	tgaggccatc	tatccctttt	360
gggggacaaa	acacatcagc	ttttcccttc	ag			392

<210> 9424  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 9424						
gcattaggca	gtgttgcaag	tacatatcgg	aatctctttg	gctggctcta	agaaagagtt	60
tgaacttatt	tacctcctta	gccctatgta	acaggtaaga	aactaaaagg	tacagaaaat	120
agagatgttt	gattttttcta	agttgcccc	agctaccgtt	tttaaaaacg	cctgcaagca	180
tgtctaaaac	aggagcctgt	tagctacagt	tgccaaaccg	gtttaacagc	actgcctcca	240
tgtattctgg	gtaagaagga	gctccgagta	cataaattta	tcaaagatca	ctatcccaat	300

<210> 9425  
 <211> 106  
 <212> DNA  
 <213> Homo sapiens

<400> 9425						
ggccgggagc	ggtgggtcac	acctgtaatc	ccagcacttt	gggaggccaa	ggcgggcaga	60
tcacctgagg	tcaggagttt	gagaccagcc	tggccaacat	ggcgaa		106

<210> 9426  
 <211> 10053  
 <212> DNA  
 <213> Homo sapiens

<400> 9426						
gcccgcaggt	tgaaggttcc	tggggccaca	tctgggcccga	gaggcatggt	ccttggaggt	60
aggtagctgt	gccctgtata	cctgcccgtct	gggcccgtgca	tggcctcagc	tgcccaggag	120
gaggtttgct	cgtttctcta	tttccgcttt	cctggcagat	cctgaggccg	gcagggtctg	180
ggccaagtcc	taaaaggcaa	ccctaacatg	gtctcagggc	cactcgtggc	cagtgcctgag	240
tccgcgggaa	gtgggtctgc	ctggcccagc	tgtgggtggga	accccgccctt	ccagcacttc	300

ctgtctgtctt	gctggggcttt	cctgccagga	acacagacat	ggagctggga	gacctctca	360
gggcctgtctt	cctgggctgg	ccggtaggag	acggtgcagg	gctccagtgc	caggccctgc	420
ctgtctgtgt	ggcatctggg	gaatgggcac	agcagctcat	gcccacactg	gtgggtcaga	480
caagggatgc	cggaagcccc	aggcaggtcc	tagcatatgg	tggggtagaa	gaggggtgcc	540
tgattttcag	gtcgccccac	catctgccaa	tgcctgctga	gtccaagggg	tagggccagt	600
gagcaggaca	ggctgcgagc	agccaagggt	tagactggga	ccccccaggc	acccagggca	660
ggcacctcgt	ccctgttgtc	cccttgggtc	ctgtccagca	caggagaacc	tgtgccccag	720
gctgtccttt	ctttgtctgt	tgactgtttt	ctgagcctgt	tcagctgctt	ttgagtcbgt	780
ggagttggtc	ggggaggcag	agtctttcaa	aacagtgaga	gccaggcatc	aaggaaaaca	840
gccttgccac	ccactgccat	gcgtccacc	agccacgggg	catctgagac	cacccccattc	900
agtccccctc	acatccttgt	ctacccattt	tacaaatgag	gaaactgagg	catagagtgg	960
tcagtgttga	ggcaggactc	ggggggtaaa	ggaggtgctg	tggcagcttc	cagccctact	1020
cctcacaggc	ccctggaaag	ggcgactgat	atgcatacc	acatttgtgg	gcccacagcc	1080
ccgacctgt	ctcctcccat	ccaagccctg	ggtgagccag	aacacccatt	atgctatggc	1140
cagagccagg	ccggtggatg	cagcaagcct	ggttcataatc	ccacttctgt	gccagccccct	1200
cctgcctgag	ctgaggatgc	tcactgaagt	ggccctagga	ccgacctgtg	ggccagcccc	1260
caacatgtgc	agcctgcagt	ggggaggccg	agcctccaca	gaaggttgca	tgcaggacca	1320
gccacgcccc	tacacagagc	tgacctcctc	accaagcctc	cctcctagct	ttcagaggaa	1380
atatacttgg	cctggggctta	ggccccgagt	gctgctgagg	ttctgggaat	ctattaacca	1440
gggtgtttat	tccttgccct	gcccagcca	tgggcaactg	tctcagcagg	gcttagctcc	1500
tggcagctcc	tgctggctgg	tcaggaccac	agggctccct	cacctgttgt	agctgggtcc	1560
cccggccacc	ctcaggccca	tcccaagata	gaggcaagtg	cccaggactg	ggggagagtg	1620
ggatcgtcct	ccctgggacc	ctcctgtgtg	gtggtcagct	cagggctcca	aggcccagag	1680
taccaaggtt	agggacaggc	aagcagatg	tcctctgtct	cctcccctcc	acatgatgct	1740
cccaatgtgg	cctgtgcct	ggggtgggtg	ccagctatgc	tgtatcctgg	ggcagcccta	1800
tgctttggga	cacacagtcc	tgggagatgg	ctctgggaaa	acctcctctg	agctgcaatc	1860
tgctggctctg	tagaatggga	gaggaacaca	gcctctccct	tggtaagcag	gagtttccca	1920
ggtgcaaccc	tagatatacg	gagggggaga	ctgaggccaa	cggaggggga	gcttgcgtca	1980
gggccacggg	ctgggctgtg	gtgagccagg	gcttgacctg	catgcagaag	cttccctagc	2040
tgcaggttgg	acaggaagca	gatggccgga	tgggctggaa	gtgcccttca	ccagcagggg	2100
tgcatggtca	gggcatttgc	tggccactcg	gggctcagag	gccatcctgg	ggcatctgct	2160
ccacagcctc	gtggtacaca	tggaagactg	aggcacaaag	tggggctagt	tgtccggaca	2220
cagctggagc	ctgaagcagg	gagccattga	gagttcacgc	cctaagggac	aatggcatca	2280
gctaccagag	ctcttgagcc	ccggggcctg	ggttcaaatac	ctagccaagc	cctcatctgc	2340
tatgtggctt	tgggtaaggga	accgccttgc	ctgggcttca	gtttaccacc	cttaagtggg	2400
catgaggaca	gcaggggcac	aggctcctcg	tggctggggg	tgtgagagc	tgaggcttgg	2460
ggagctggag	gctctgcgcg	gatggtgctt	tttaatggat	ctgagtgttc	ctcgtgactg	2520
catggctgtg	aaatatTTaa	atggttctgc	agagctcaga	aaaaaaggga	attcttccctc	2580
ctgcccagag	gccaacacag	ttagcctggg	cttgtgtgtc	tgtttatgta	cgtgtgcata	2640
tgtatgtatg	tgcattgtga	tttgtgtgtg	cgtatttgtt	gcacatgtgt	gtctcacgtc	2700
tatgtgtgtc	tttctggggg	atgtgtgttt	tgtgctttt	gtgactagga	acacgtcatc	2760
atatgtgtag	atgccccag	aagggtgaaa	ctctcaggg	gtctgcactt	ggccttctcc	2820
cagcaccaag	tctgtggatg	gagacccgaa	tgagcataag	ggtggccttg	aaggaaggca	2880
ctttggcact	tgaggtttgt	gaaacttagg	agcacatgcc	cactgtggcc	agcagccctt	2940
gggacactgc	accttgcgga	gcacacgtgt	gatgggggtg	ggccccactg	gcagcttcgc	3000
aagagcagaa	ctggagacga	cctcagtgcc	aggcacaggc	ccttgtgtcc	gggctgtcct	3060
caccagacc	ctgggcagcc	tgggaggaag	cccctaagtg	gacagtgggtg	ggacagggac	3120
acacagtcct	gggaggtggc	tctgggcaaa	cctcctccaa	gctgcaatct	gctgggtctgt	3180
agaatgggag	aggaacacag	cctctcactt	ggtgagtggc	ctggctgtgc	tggggccttg	3240
gggaatccca	gggagtgcag	cgtcaggccc	aggggtggag	aggcaaagta	gacaccccat	3300
agaggcttcg	gggatgtcat	ggagtgacc	gagagcacac	cagggcccca	gggacagcgc	3360
tgtgggttgg	cccaggtaaa	ggcggtgtc	cctgtgcgca	catgtgtcca	cgtgaacttg	3420
ctacttagag	agcagctgat	gctgaaggca	ggttgtttga	attcccaggc	ccaggtgtaa	3480
gcagcagagc	ccaccagtgt	ccccagcgc	ccactctctt	cctcctgggc	acataatttt	3540
agatgaaact	gaaaaacacg	cagcatgaaa	gcaaggcccc	tgcctctgtc	tggttctgta	3600
ttggctgcct	cgtgtatttt	tccagcctgc	agaaagtcga	ggcctggatg	gataccatgt	3660
ccgccccctc	ctgtggccct	gcggcacccc	ggcctcccgg	cctgcattct	tcatgagtct	3720
ggaaacagga	tctcccagag	agggccccag	gaggtttggc	gccagcagtg	ggttctcaca	3780
gctgcctcca	agcaggtgac	cagtcctggg	aggtgtggt	ctagggcctg	gcaacctcag	3840
ggcgctgtg	gacaaagggc	cgggccaagg	ggctggcagg	tttgtcctga	gtgactgaag	3900
agggccccac	cagggcagct	tgagaggggg	agactcttgc	tccagagaaa	gaggaagttt	3960

ggtacttagc	ttggaatgaa	gggccagccc	tagagaggac	cttcctgtgg	caggagagag	4020
ggccatgtcc	tgccagggga	agtccctggga	ggcttcctgg	aagcagtggc	ctctgtgtgg	4080
ggccttggag	cttgagagtg	tctggcacca	gggaaaggca	ttgggggctt	cgagagaact	4140
gcagggggcc	ctgaccagat	aggccccctaa	ggcaaagagg	attccatcag	aactcgcatt	4200
cccattttat	tactctggga	agtaatgtgg	aagctaagct	ccactgtatg	tcgtatgctg	4260
aggcatctgt	tgagcctctg	ctgtgtcggg	gccgggctct	gggtggccca	cctcagtga	4320
gtcttgctgc	taatggccga	atagttctgc	aaggcctgtg	ctgaggcctg	gaggcgagtg	4380
gcctgttggg	ccccaaggct	gggagggttg	gagggtggcag	gggcgatctc	tgcccttagg	4440
tccggcccag	gaggacttgc	ttcttgcttg	ggcgggtgtg	cacagatctg	tccggccaca	4500
cgtcacttcc	tttcttggca	tcaggagctc	agactctgag	gggaggggga	gaggaggccg	4560
ggggcacaga	ccggtagggg	caggcaggga	ggagcagccc	cgcttatggc	aggagtggga	4620
ggatcgggca	atgctttcca	gtggaaaatc	agagtgcgtg	tgctaagggt	gctatgtcgt	4680
ttcctttctc	tccaggaccg	tattcctagg	ggaggtttta	taaaggctga	gcacatgctc	4740
gcagcctctc	cttagggtaa	taagcacttc	tgtctgagca	cttaccaggg	gtgggggcaa	4800
gggaagccct	cacctgcagg	gcccgggtgac	ccccagagcc	cgactcaggc	acagcccttg	4860
ccccctctcc	ccaccgcctt	tgctgaccat	tcccctccct	gcagccggcc	cgctggggct	4920
ggaggcacgg	gcccataaac	gtgaaccatt	acgccagcaa	gaagagcgca	gccgagagca	4980
tgctggacat	cgcgctgctg	atggccaacg	cgctccagct	gaaggccgtc	gtggaacagg	5040
gccccagctt	cgccctctat	gtgcccctgg	tggtcctcat	ctccatctcc	cttgtgtctg	5100
agatcgggct	gggggtgctg	ctcatcttcc	ttggtaggtc	cccagggtggg	ggcagccagg	5160
ccacctgctc	accttgctgg	catctgctcg	catcgctctg	gacagggtgc	caccaccttg	5220
cacacttggc	tctcaaggag	ctgccgagtt	cctggccctc	atcaccacga	catgcagtcc	5280
aggaagtggc	acccccctc	ccccaccctt	gcactttggt	ttttgttttg	ttttgttttg	5340
ttttttgaaa	caaggtcccc	ctctgtcacc	caggtcgaaa	tgcaagtggc	cagtctcgcc	5400
tcactgaacg	ctgcactctc	tgggctcaag	cgatctctcc	acctcagccc	ccaaagtaac	5460
tgggattaca	ggcgctcatc	accatgcccc	gctaattttt	gtattttttg	tagagatgag	5520
gttacgccat	gttgcccagt	cgaatttttg	agctcaagtg	atccaacagc	ctcagtctcc	5580
caaaataactg	ggattacagg	catgagtcac	cacgctcagc	cttgttttgt	tttgttttgt	5640
tttgtttttg	aaaccgggtc	ttgctgtgtc	ttgatcacag	ctcactgcag	tctcaacctc	5700
ccaggtccaa	gcgagccttc	tgctctagcc	tcccaggtag	gctggaccac	agctatatgc	5760
catcatgcca	gctaattttt	ttattttttg	tagacacggg	gtcttgctat	gctgccagg	5820
ctggtctcaa	actcctgggc	tcacgtgatc	ctcctgtctc	ggcctcccaa	agtgtctggg	5880
ttacagggat	gaaccactgt	gcctggcccc	acctgcact	ttgaaagagc	acagagtggg	5940
gtcagggcct	ggcctgtggg	cattagggca	gggttttcac	cgggttcttg	ttgacctatg	6000
ccatgagatg	gcctcagtea	tgccagtcct	accttctggg	cccagggtcc	ccttcatggc	6060
tgcgtaacct	tgggcaagtg	gctgaacctc	ccgggcctca	cttataaaac	aggcatcata	6120
atagaactgc	agcttgtggc	aggaatcact	agattaaggc	acgcaaaggg	ctcagtgcac	6180
ttgcccacac	ctggcctttg	gttgacgtcc	atagcttcaa	ttcgtataag	gaaaatatgg	6240
gggctacaga	aggtggggct	atagaccgtg	gggttgccca	agccaggggg	gctgttgctc	6300
atgtttcagc	aaaacagatg	tatttttctc	tgggcgacaa	aactcatcct	aaatgcgact	6360
gagagccctg	taatgtccca	ggacagcttg	accgctgggg	tgggtccctt	tccactgtcc	6420
caggctgggg	cgctgcgtct	gggtgcctct	tggcaccatc	cactcctctc	tcgcccacag	6480
tcaagtacga	ccttaacaac	ccggccaagc	agcccaagct	ggacttctct	aacaaccttg	6540
ccacgggcct	ggtgttcctc	atcgtggtag	tcaacatctt	catcacggcc	ttcgggggtc	6600
agaagccctt	gatggacatg	gcaccccagc	agtaggacac	ccagggtgagc	tgggagatgg	6660
ggcgcgaggc	ctgcagtcct	ggggttgctc	gctgttgagg	gctcttgagc	tgtggtgagt	6720
ccctggccgg	ccagccttgg	acaccttctc	aggccatggg	catcctcgtc	cacacctaca	6780
aggccaatgc	ctggccactg	ccttgaggcc	agccctgcca	ctgggtgctg	ccacctgggg	6840
tcctgtgggt	acagtgttta	gatggaatgt	gtgtaggagc	caccatttga	acatcctgga	6900
gaactcactt	aaacgtaaga	tttctatata	ttcagaatgt	ctgtccgata	aaaaaaaaaa	6960
gatttctggg	tcaggcgctg	tggtctatgc	cggtaatccc	agcacttttg	gaggctgagg	7020
cgggcagatc	acttgaggtc	aggagtctga	gaccagcttc	gccaacaggg	tgaaaccccg	7080
tctctactaa	aaatacaaaa	agtggccagg	catggtggca	catccctgta	gtcccagcta	7140
ctcaggaggc	tgaggcagga	gaatcgcttg	aacccaggag	gcagagggtg	cagtgcagta	7200
agatcgtagt	actgcactcc	agcctgagcg	acagagttag	actctgtctc	aaaaaacacc	7260
caaaacccaa	agatttccgg	cttctcttga	taagttaggg	gctctgcacc	ccttatcagc	7320
tcactttagc	aggtgaagct	tcctcccagc	cctcgtctga	gaaaaaggga	ccttggtatg	7380
accgcctgcc	tgacatgccc	acctcactgt	gccactctga	ccaggacggg	gggattcagg	7440
atcttgtcac	gtggagccct	tgtgactctt	caagtctgcc	ccttgccggg	cctcgagaa	7500
tctgttagct	gcctgcctta	ggctggaccc	tggtgtgtg	caggatgcag	actgagctg	7560
tctctacagg	acgaggcacc	cagtgtagga	agacttctca	caccacatac	agcctctccc	7620

tgtgtccttg	ctcagagagg	gtgagcgtct	gccagtgac	acagcctggg	agcaggatcc	7680
acaggaaggc	ctgggatgca	gccatggcca	gggccacatg	gtgcacacac	tacagtccat	7740
gcagccaggc	cagggccaca	caccacagtc	cccgcgacct	taggcctagg	ggtcacccct	7800
ccggtttgta	gcagaggtgg	aggtgagttg	ctaagggagg	ggtgggcact	cctggcaggt	7860
ggccatctct	ccaccagtgg	tggcccatgg	cagagtagac	aggagcagtg	ctcttggggc	7920
agagcgcctg	tgtgtcaagg	atatataaaa	atttcccag	gccaggcacg	gtgggtcaca	7980
cctgtaatcc	cagcactttg	ggtggctgag	gcaagcggat	cacctgaggt	cgggagcttg	8040
agaccagcct	gaccaacatg	gagataccgt	gtctctgtcta	aaaatacaaa	attagccagg	8100
cgtgatggcg	catgcctgta	atcccagcta	ctcaggaggg	tgaggcagga	gaatcgcttg	8160
aacctggaag	gtggagattg	cagtgaactg	agatcacgcg	attgcactcc	agcctgggca	8220
acagtatgag	actccattct	gggaaaaaaa	aaaaattccc	caagagggca	tagtgaggat	8280
gagtgggggc	gctggggcca	gcagctgggt	tgggagcacc	ctgcateccac	ctggcctcac	8340
ccctccccac	acggggggcca	acgagtgacc	gctgtctgta	gtggcccatg	gcctctcaag	8400
ctcccttacc	acaccaagg	ccattccccc	agtgggatca	cgccagcccc	caatgtcccg	8460
gccgtggagc	ctgaagtcac	cctcctgaaa	ggacctggat	ctgggcggcc	ccatgtgggg	8520
tccgagtcac	tgtccagatg	ctgcctccag	tttgtagtta	agttgtcctc	ttccagaaca	8580
cctagatgtc	agctgctccc	tggcttgggg	atgtggccag	gccatttatt	aatcacctgc	8640
tgtgtgtgct	gaatgcagtc	cctaactctc	ccaagcatga	gttatctgcc	tgccgggaag	8700
aggggtgctg	gtctgtgggg	cacgtgggga	cccagcagtg	gaccttaaag	ctgtcctcag	8760
aggctcggag	gccaaagctg	ctgtgtgtcc	tgcgtggagc	agctcagagag	gtctcaggct	8820
tcgtgggtgg	ctatggtcac	agctgcccc	cccagcccc	ccatgctggg	ccaggcctct	8880
aagtcttggc	agtaaccag	ccatgctata	ttcattccat	tttcagaggg	gaaactgagg	8940
catggagtac	tttgacacct	ctcatgtcag	aatcaggctc	ttctccttcc	tgagtccggg	9000
tgtgcaaattg	gccctgacac	tgggggcttg	tcacagcctg	gctcagagcc	tctcctctcc	9060
ctccttccag	gctcagagcc	tctcctctcc	ctccttccag	gctcagagcc	tctcctctcc	9120
ccccttccca	ggctcagacc	ctctcctctt	cctccttcca	ggctcagacc	ctctcctctc	9180
cctccttcca	ggctcagacc	ctctcctctc	cctccttcca	ggctcagacc	ctctcctctc	9240
cctccttcca	ggctcagacc	ctctcctctc	cctccttcca	ggctcagacc	ctctcctctg	9300
tctcctttcc	aggaccttgg	atgttgcttg	cctgtcaact	cagctgcccg	accccaggag	9360
tcgccatacc	tgtgaggttg	ccacctccct	gcacatggca	ctaccagac	tgccagagcc	9420
caggctggcc	tcatctgcac	catgtccccg	gaccagccct	tgtcttgact	gcggccaagc	9480
accagcagg	aggccactct	tgtctctcag	cagctgttcc	caggaggcag	ctccctcctg	9540
gcacatgggg	gctggccaca	atagcccaga	gggtcagaac	tggacagctg	cagagacctg	9600
tgcccagaga	agggctctga	ccactcaag	gacacacagc	aggtccgtgg	atgggctgga	9660
tgagtgacca	gggcccagcct	ctgtctcagg	acattccaga	aggacaagga	gatgtctctc	9720
cctctcccaa	agcaccagcg	tccctgcctc	ccgtgggccc	tgtccgggtt	gccttggtga	9780
ccccagcctc	tgtccacttc	ctaaccacag	gaccctgcac	agccagaact	gcctttggcc	9840
ctacgggatgg	ccactggctc	tggctttaag	tgcctgggct	tggtggccat	caagagggag	9900
ccagtcaggc	ctgtgagggc	cgtagacctt	gtatataccc	tgcaccagca	gtgaccgggc	9960
agagcccaac	ccccccacg	gggtgccacg	caccactttt	tctaatacatg	aatgaacaat	10020
aaagcccacg	ctcttttgta	ggctccacat	gcc			10053

```
<210> 9427
<211> 141
<212> DNA
<213> Homo sapiens
```

```
<400> 9427
tagcattggc cgcaggttgc gtggccagcg ctgactcaga tgcattgccgc ccagcgcttg      60
gtccctgatt tggccatggc ctgcagtgtg ggctggctgg cagccaggca ggagggaggg      120
ccccctgtgt gcctggcctc a                                     141
```

```
<210> 9428
<211> 986
<212> DNA
<213> Homo sapiens
```

<400> 9428  
 tttcttttctt tttatattqag aqaagggggg gttgagagta gagtgggaat ggcaagaagt 60



agtatgacag	agcttcttct	ctttttttcc	cctctttacc	aggaagttaa	ctagaagtct	120
tcatgcatgt	ttttaaaaca	aagttggtaa	ttagcataac	ctagttagtt	acctttacac	180
agagtacag	aattaaaaag	ttgacaagcc	catcagacct	cagccaggag	gtactgaaag	240
gagggagacc	agtgagtcta	gaccaatagg	tgggttaggc	ctcctgaatg	ccagcctaga	300
agtttagact	tgattctata	ggctctaggg	tacctacaag	tttgtagtcg	cagccttggg	360
aattgaatgt	tacataggaa	ctttcactgg	ttccagctag	ccttggctgt	tagcaattat	420
ttttatctac	tttaacaggg	gggacagagt	aggggggcag	gaaactaagc	tggcattatg	480
gtcacaggaa	agaacagact	gatttggagc	ctttcaaact	gcagaccttt	gttactgacc	540
gatgcttaat	ttggtttctg	ggttttgtta	gttttttccc	ctgcccttac	ctcattttacc	600
ttaacgacag	ctccccctc	tagagctcag	ctagggcagg	ctgccactgt	ggattggggg	660
gccaagaggc	ccagtgcagg	aagaaagtgg	gttgaaagca	gagttctgtt	taaagaattt	720
tctgctggaa	actagcccag	agggagtaaa	gaggagcttt	aatgaggagc	agctgcagtg	780
ccgacgcaac	ccacatgaga	cttttttttc	cccttcgttc	cacattctgt	atagtttttt	840
taaaaatcat	gactttgaaa	tagctgtttt	gtaaagcatg	cctctctttt	tcttcttgta	900
tgtggtggga	ttttgctttg	ttgttggtgt	tgttggtttc	tgaatggcca	aatcctcgtt	960
ttaaaaaaaa	aaaaaaaaaa	aaaaaa				986

<210> 9429  
 <211> 986  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (488)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (580)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (656)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (667)  
 <223> n equals a,t,g, or c

<400> 9429						
tttctttctt	tttatttgag	agaagggggg	gttgagagta	gagtgggaat	ggcaagaagt	60
agtatgacag	agcttcttct	ctttttttcc	cctctttacc	aggaagttaa	ctagaagtcc	120
tcatgcatgt	ttttaaaaca	aagttggtaa	ttagcataac	ctagttagtt	acctttacac	180
agagtacag	aattaaaaag	ttgacaagcc	catcagacct	cagccaggag	gtactgaaag	240
gagggagacc	agtgagtcta	gaccaatagg	tgggttaggc	ctcctgaatg	ccagcctaga	300
agtttagact	tgattctata	ggctctaggg	tacctacaag	tttgtagtcg	cagccttggg	360
aattgaatgt	tacataggaa	ctttcactgg	ttccagctag	ccttggctgt	tagcaattat	420
ttttatctac	tttaacaggg	gggacagagt	aggggggcag	gaaactaagc	tggcattatg	480
gtcacagnna	aagaacagac	tgatttggag	cctttcaaac	tgcagacctt	tggtactgac	540
cgatgcttaa	tttggtttct	gggttttgtt	agttttttcn	ccctgccctt	acctcattta	600
ccttaacgac	agctcccccc	tctagagctc	agctagggca	ggctgccact	gcgganttgg	660
ggggccnaag	aggcccagtg	caagaagaaa	gtgggttgaa	agcaaagtcc	tgtttaaaga	720
atthttctgt	ggaaactagc	ccagagggag	taaagaggag	ctttaatgag	gagcagctgc	780
agtgccgacg	caaccacat	gagacttttt	tttccccctc	gttccacatt	ctgtatagtt	840
tttttaaaaa	tcatgacttt	gaaatagctg	ttttgtaaaag	catgcctctc	ttttcttct	900
tgtatgtggt	gggattttgc	tttgttggtta	ttgttggtgt	ttcttgaatg	gccaaatcct	960
cgttttaaaa	aaaaaaaaaa	aaaaaa				986



<210> 9430  
<211> 980  
<212> DNA  
<213> Homo sapiens

<400> 9430  
ttctttcttt tttttttgag agaagggggg gttgagagta gagggggaat ggcaagaagt 60  
agtatgacag agcttcttct ctttttttcc cctctttacc aggaagttaa ctagaagtcc 120  
tcatgcatgt ttttaaaaca aagttggtaa ttagcataac ctagttagtt acctttacac 180  
agagtgcag aattaaaaag ttgacaagcc catcagacct cagccaggag gtactgaaag 240  
gagggagacc agtgagttta gaccaatagg tgggttaggc ctcctgaatg ccagcctaga 300  
agtttagact tgattctata ggctctgggg tacctacaag tttgtagtcg gagccttggg 360  
aattgaatgt tacataggaa ctttctactg ttccagctag ccttggctgt tagcaattat 420  
ttttatctac ttttaacaggg gggacagagt aggggggcag gaaactaagc tggcattatg 480  
gtcacaggaa agaacagact gatttggagc ctttcaaact gcagaccttt gttactgacc 540  
gatgcttaat ttggtttctg ggttttgta gttttttccc ctgcccttac ctcatttacc 600  
ttaacgcagc ctccccctc tagagctcag ctagggcagg ctgccactgc ggattggggg 660  
gccaagaggc ccagcgcag aagaaagtgg gttgaaagca gaggttctgtt caaagaattt 720  
tctgctggaa actagcccag agggagtaaa gaggagcttt aatgaggagc agctgcagtg 780  
ccgacgcaac ccacatgaga ctttttttcc ccttcgttcc acattctgta tagttttttt 840  
aaaaatcatg attttgaaat agctgttttg taaagcatgc ctctcttttt cttcttgtat 900  
gtggtgggat tttgctttgt tgttgttgtt gttttttttt gaatggccaa atcctcgttt 960  
ttaaaaaaaaa aaaaaaaaaa 980

<210> 9431  
<211> 468  
<212> DNA  
<213> Homo sapiens.

<400> 9431  
agactgtaaa ctggaagata aggatgtttg taaagtctct gtataaataa agcatggttt 60  
ctcattgcag tggttactga tttcatagtc tgagtgaaga tgaatgatgc tgtgaatcaa 120  
cagcttttaa gtccgtacca cttcagcttc tttttggttt aggtttctta aaatcagtgt 180  
gtattttaatg ctttattcag atgagggggg gaaaaacctt acacatgtaa actaagttag 240  
gtgggggttc agagataatt cccagcctca caattcctca tgaagttctt ttcctgtggg 300  
aaacttttaa tttggaagca tgcaacctaa tgtgggaacc aagattaaca ttttctgaaa 360  
tacttctaca agaaaagcag aaatgggtctg tccaggaagc tgaatttaca tagtagaaaa 420  
atgagctgcc ctgcagtatt tggtagtctt tgtgtattgg ttgtgata 468

<210> 9432  
<211> 468  
<212> DNA  
<213> Homo sapiens

<400> 9432  
agactgtaaa ctggaagata aggatgtttg taaagtctct gtataaataa agcatggttt 60  
ctcattgcag tggttactga tttcatagtc tgagtgaaga tgaatgatgc tgtgaatcaa 120  
cagcttttaa gtccgtacca cttcagcttc tttttggttt aggtttctta aaatcagtgt 180  
gtattttaatg ctttattcag atgagggggg gaaaaacctt acacatgtaa actaagttag 240  
gtgggggttc agagataatt cccagcctca caattcctca tgaagttctt ttcctgtggg 300  
aaacttttaa tttggaagca tgcaacctaa tgtgggaacc aagattaaca ttttctgaaa 360  
tacttctaca agaaaagcag aaatgggtctg tccaggaagc tgaatttaca tagtagaaaa 420  
atgagctgcc ctgcagtatt tggtagtctt tgtgtattag ttgtgata 468

<210> 9433  
<211> 468

<212> DNA  
<213> Homo sapiens

<400> 9433  
agactgtaaa ctggaagata aggatgtttg taaagttctt gtataaataa agcatgggtt 60  
ctcattgcag tggttactga tttcatagtc tgagtgaaga tgaatgatgc tgtgaatcaa 120  
cagctttaaa gtccgtatca cttcagcttc tttttggttt aggtttctta aaatcagtgt 180  
gtatttaattg ctttattcag atgagggggg gaaaaaccta acacatgtaa actaagttag 240  
gtgggggttc agagataatt cccagcctca caattcctcg tgaagttctt ttcctgtggg 300  
aaacttttaa tttggaagca tgcaacctaa tgtgggaacc aagattaaca ttttctgaaa 360  
tactttctaca agaaaagcag aaatgggtctg tccaggaagc tgaatttaca tagtagaaaa 420  
atgagctgcc ctgcagtatt tggtagtctt tgtgtattag ttgtgata 468

<210> 9434  
<211> 22680  
<212> DNA  
<213> Homo sapiens

<400> 9434  
agtgaacagc ggagccggac ggggatcgcc ggcgggcggc aagcggaggc ggcccaggcc 60  
cggcgggtctc cgagatgtca cgatggctgt ggccatggtc aaactgtgtg aaagagcggg 120  
tctgccgcta cttgctgcac cactacttag gtcacttctt ccaagagcac ctcagcctgg 180  
accagctcag cctcgatctg tacaagggca gcgttgccct gcgagacatc cacctggaaa 240  
tctgggtgag gagccaggcc cgagtccagg aaggtgcgga gggtagggagc gcagcgacct 300  
gaggctccct cgggcaggat cgggctgggg gatcaggcac cgggcgtaga gaggccaggg 360  
gaatcttgcc ctctcccagg cgtcagaggc accccggcta gcctcttcag ttccttacca 420  
gagccagaaa ctgagcggga aggggtttct gtctccacgg gaggagaaac tgaggctgga 480  
gagggaaga tcacctgtct ggagaatgca agacaaactc gtcgagtttg ggggctgagt 540  
taaggagggt ggctctcggg ctgaggaggg gctggggagg gagcgtagga actgagctgg 600  
gccagggcag tgacagactt gggcctgcgc agctgggtggg ggaagctggt aggggtccgg 660  
agccctggcg aggacacctg tggatcatgt gccctgacct cttgacccca cggtcctgag 720  
cccgtagggt ggatcaacaa accaccggat gtgtatgtca acaaccgct cagtacgtca 780  
gtaccagtgt tgatcaacac ctggtgtgct tgggtcgctg cctacttcct gcttttggga 840  
gagtgaggat ggccaagtgg gtgtctaggg agggactgga tggcccccac ccacatctcc 900  
caccgacccc cccggctcag tgtccctgcc tggaggaggg ccctggagga aaggtgggga 960  
gatctggctt caagccggga ggaggccaag ggagatgcta gggaggcaa gaggtgtaag 1020  
gtcagaggct tgaggctggg aacgggtgagg agccctgact cacagctcag ctgacctggg 1080  
gagctttgaa ggagccacca attagaggcg cgtcctgggt gatccaccag gtccagagca 1140  
gcaggggtgg gcatggaggc agggacttct cagttttgtg gctggactca gggggctgct 1200  
aatctgggca gaagagctag gctttggggg taggccaggc cctggtgagc aaatgtgggg 1260  
taggataatc gtggggcctg aactgggggc acccccagt ggccctgctg ctgtgaattc 1320  
tgggtgagga agccctctct gacctctaac cttagcctca gcctctaagg ccgtctctag 1380  
gctgccccct ttttattttt atagagacag gatttcgcta tgttgcccag gctagccttg 1440  
aaccctgaa gggatcctcc cacctcagcc tcccaaagt ctgagattat aggcataaac 1500  
caccataccc agccctaggc ttcccccttt tactttcagc tccagaaaac gcccctactc 1560  
ctgttccctg ccctcttggt ggggattgaa ttggtctctc tagggccctg gtggaatgca 1620  
ggcgctttct tgataaccag cccctcctcc ctcccagctc agcctgcagg ccccgcttg 1680  
aaggccccc aagaaactga gtatctgggg cctctgaagt ggcataaaaa gagagaggcc 1740  
cgcatcccag tctcagtcct tgtgtatac tgggtgacta gattagtcct gtctctaggc 1800  
ctcagtttcc cgagctgtgg gtctctgggt gaggaatttg gactcccatc tgctctgcca 1860  
tgtgcttttt tattcttgga tccaaccagt ttactgaggc cctttctggg tggcacctgg 1920  
ggtgacgggg gaggcagggt gggtagagcc ctccaggagc ttccagggtg gcaggggtac 1980  
aactccagca tggacatttt agccaggggg tcagccttgt gcctcacaga gaggcacagc 2040  
tacactaggt gtttgggggt ggtggggggg ggggggtcca tctggcatta ggtcagcccc 2100  
tctcttgga actgtccctt tgaactctgc tcatccaggg tgaacatggg tattctggac 2160  
tctgccatac atgtgcccat gttgtcctgt gcctgcaaca caccacctc taccagcgcc 2220  
tatccccctt ccttttatct ttcagcttgc cctcctctg acggcccagg ctgggttagg 2280  
cgtcttcccc acggcccccc caccagcccc ctccacccc ccaagcacct gctcacctc 2340  
tgagtttcat ctgagttgct ctgagtgagc ggctggagcc tagcttggct ggggaatgaa 2400  
gacattttat ttaccatct agtctcagtg tcagcatgta gaaagtgtc ggtaaatatt 2460